# Negar Mozaheb

List of Publications by Year
in descending order



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|---|---|---|---|
| 77 papers | 1,395 citations | 331670 21 h-index | 434195 31 g-index |
| 80 all docs | 80 docs citations | 80 times ranked | 2365 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | MicroRNA-340 inhibits the migration, invasion, and metastasis of breast cancer cells by targeting Wnt pathway. Tumor Biology, 2016, 37, 8993-9000. | 1.8 | 83 |
| 2 | Differential Expression of miR-93 and miR-21 in Granulosa Cells and Follicular Fluid of Polycystic Ovary Syndrome Associating with Different Phenotypes. Scientific Reports, 2017, 7, 14671. | 3.3 | 64 |
| 3 | Mesenchymal stem cells from trabecular meshwork become photoreceptor-like cells on amniotic membrane. Neuroscience Letters, 2013, 541, 43-48. | 2.1 | 53 |
| 4 | Membrane Vesicle Production as a Bacterial Defense Against Stress. Frontiers in Microbiology, 2020, 11, 600221. | 3.5 | 51 |
| 5 | Optimization of chitosan nanoparticles as an anti-HIV siRNA delivery vehicle. International Journal of Biological Macromolecules, 2019, 129, 305-315. | 7.5 | 49 |
| 6 | Identification of mutation in GTPBP2 in patients of a family with neurodegeneration accompanied by iron deposition in the brain. Neurobiology of Aging, 2016, 38, 216.e11-216.e18. | 3.1 | 43 |
| 7 | Glutathione responsive chitosan-thiolated dextran conjugated miR-145 nanoparticles targeted with AS1411 aptamer for cancer treatment. Carbohydrate Polymers, 2018, 201, 131-140. | 10.2 | 42 |
| 8 | Nanotopographical cues of electrospun PLLA efficiently modulate non-coding RNA network to osteogenic differentiation of mesenchymal stem cells during BMP signaling pathway. Materials Science and Engineering C, 2018, 93, 686-703. | 7.3 | 42 |
| 9 | Mutation inADORA1identified as likely cause of early-onset parkinsonism and cognitive dysfunction. Movement Disorders, 2016, 31, 1004-1011. | 3.9 | 38 |
| 10 | Nano polyelectrolyte complexes of carboxymethyl dextran and chitosan to improve chitosan-mediated delivery of miR-145. Carbohydrate Polymers, 2017, 159, 66-75. | 10.2 | 36 |
| 11 | Expression of miR-15a, miR-145, and miR-182 in granulosa-lutein cells, follicular fluid, and serum of women with polycystic ovary syndrome (PCOS). Archives of Gynecology and Obstetrics, 2018, 297, 221-231. | 1.7 | 36 |
| 12 | Simultaneous Underexpression of let-7a-5p and let-7f-5p microRNAs in Plasma and Stool Samples from Early Stage Colorectal Carcinoma. Biomarkers in Cancer, 2015, 7s1, BIC.S25252. | 3.6 | 32 |
| 13 | MicroRNAâ€4731â€5p delivered by ADâ€mesenchymal stem cells induces cell cycle arrest and apoptosis in glioblastoma. Journal of Cellular Physiology, 2020, 235, 8167-8175. | 4.1 | 32 |
| 14 | The role of microRNAs in stemness of cancer stem cells. Oncology Reviews, 2013, 7, 8. | 1.8 | 31 |
| 15 | MicroRNA-129 Inhibits Glioma Cell Growth by Targeting CDK4, CDK6, and MDM2. Molecular Therapy - Nucleic Acids, 2020, 19, 759-764. | 5.1 | 30 |
| 16 | Cationic graphene oxide nanoplatform mediates miR-101 delivery to promote apoptosis by regulating autophagy and stress. International Journal of Nanomedicine, 2018, Volume 13, 5865-5886. | 6.7 | 29 |
| 17 | 3D-Printed PCL Scaffolds Coated with Nanobioceramics Enhance Osteogenic Differentiation of Stem Cells. ACS Omega, 2021, 6, 35284-35296. | 3.5 | 27 |
| 18 | Decellularized Pancreas Matrix Scaffolds for Tissue Engineering Using Ductal or Arterial Catheterization. Cells Tissues Organs, 2018, 205, 72-84. | 2.3 | 26 |

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|---|---|---|---|
| 19 | The effect of miRâ€579 on the PI3K/AKT pathway in human glioblastoma PTEN mutant cell lines. Journal of Cellular Biochemistry, 2019, 120, 16760-16774. | 2.6 | 25 |
| 20 | Co-delivery of gemcitabine prodrug along with anti NF-ÎºB siRNA by tri-layer micelles can increase cytotoxicity, uptake and accumulation of the system in the cancers. Materials Science and Engineering C, 2020, 116, 111161. | 7.3 | 23 |
| 21 | Transcript-level regulation of MALAT1-mediated cell cycle and apoptosis genes using dual MEK/Aurora kinase inhibitor â€œBI-847325â€•on anaplastic thyroid carcinoma. DARU, Journal of Pharmaceutical Sciences, 2019, 27, 1-7. | 2.0 | 22 |
| 22 | Inhibiting the expression of anti-apoptotic genes BCL2L1 and MCL1, and apoptosis induction in glioblastoma cells by microRNA-342. Biomedicine and Pharmacotherapy, 2020, 121, 109641. | 5.6 | 22 |
| 23 | Trimethyl chitosan-hyaluronic acid nano-polyplexes for intravitreal VEGFR-2 siRNA delivery: Formulation and in vivo efficacy evaluation. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 26, 102181. | 3.3 | 22 |
| 24 | A meta-analysis of gene expression data highlights synaptic dysfunction in the hippocampus of brains with Alzheimerâ€™s disease. Scientific Reports, 2020, 10, 8384. | 3.3 | 22 |
| 25 | miR-548x and miR-4698 controlled cell proliferation by affecting the PI3K/AKT signaling pathway in Glioblastoma cell lines. Scientific Reports, 2020, 10, 1558. | 3.3 | 21 |
| 26 | Expression Change of miR-214 and miR-135 during Muscle Differentiation. Cell Journal, 2015, 17, 461-70. | 0.2 | 21 |
| 27 | Tollâ€like receptor4 as a modulator of fertilization and subsequent preâ€implantation development following in vitro maturation in mice. American Journal of Reproductive Immunology, 2017, 78, e12720. | 1.2 | 19 |
| 28 | miRandb: a resource of online services for miRNA research. Briefings in Bioinformatics, 2018, 19, bbw109. | 6.5 | 19 |
| 29 | Designing a whole cell bioreporter to show antioxidant activities of agents that work by promotion of the KEAP1â€“NRF2 signaling pathway. Scientific Reports, 2019, 9, 3248. | 3.3 | 19 |
| 30 | Photodynamic inactivation diminishes quorum sensing-mediated virulence factor production and biofilm formation of Serratia marcescens. World Journal of Microbiology and Biotechnology, 2019, 35, 191. | 3.6 | 18 |
| 31 | <p>Nanofibrous Scaffolds Containing Hydroxyapatite and Microfluidic-Prepared Polyamidoamin/BMP-2 Plasmid Dendriplexes for Bone Tissue Engineering Applications</p>. International Journal of Nanomedicine, 2020, Volume 15, 2633-2646. | 6.7 | 18 |
| 32 | Suppressing the molecular signaling pathways involved in inflammation and cancer in breast cancer cell lines MDA-MB-231 and MCF-7 by miR-590. Tumor Biology, 2017, 39, 101042831769757. | 1.8 | 17 |
| 33 | MSC-derived exosomes carrying a cocktail of exogenous interfering RNAs an unprecedented therapy in era of COVID-19 outbreak. Journal of Translational Medicine, 2021, 19, 164. | 4.4 | 16 |
| 34 | Corneal chemical burn treatment through a delivery system consisting of TGF-Î²1 siRNA: in vitro and in vivo. Drug Delivery and Translational Research, 2018, 8, 1127-1138. | 5.8 | 15 |
| 35 | Inhibitory effect of flavonoid xanthomicrol on tripleâ€negative breast tumor via regulation of cancerâ€associated microRNAs. Phytotherapy Research, 2021, 35, 1967-1982. | 5.8 | 15 |
| 36 | The Potential Therapeutic Effect of RNA Interference and Natural Products on COVID-19: A Review of the Coronaviruses Infection. Frontiers in Pharmacology, 2021, 12, 616993. | 3.5 | 15 |

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|---|---|---|---|
| 37 | Development of Insulin Resistance through Induction of miRNA-135 in C2C12 Cells. Cell Journal, 2016, 18, 353-61. | 0.2 | 15 |
| 38 | Corticolimbic analysis of microRNAs and protein expressions in scopolamine-induced memory loss under stress. Neurobiology of Learning and Memory, 2019, 164, 107065. | 1.9 | 14 |
| 39 | Network of three specific microRNAs influence type 2 diabetes through inducing insulin resistance in muscle cell lines. Journal of Cellular Biochemistry, 2019, 120, 1532-1538. | 2.6 | 14 |
| 40 | Development of an mRNA-LNP Vaccine against SARS-CoV-2: Evaluation of Immune Response in Mouse and Rhesus Macaque. Vaccines, 2021, 9, 1007. | 4.4 | 14 |
| 41 | Flavonoid calycopterin triggers apoptosis in triple-negative and ER-positive human breast cancer cells through activating different patterns of gene expression. Naunyn-Schmiedeberg's Archives of Pharmacology, 2020, 393, 2145-2156. | 3.0 | 13 |
| 42 | Mesenchymal stem cells loaded with oncolytic reovirus enhances antitumor activity in mice models of colorectal cancer. Biochemical Pharmacology, 2021, 190, 114644. | 4.4 | 12 |
| 43 | Potential of chitosan/alginate nanoparticles as a non-viral vector for gene delivery: Formulation and optimization using D-optimal design. Materials Science and Engineering C, 2021, 128, 112262. | 7.3 | 12 |
| 44 | The potential role of miRâ€1290 in cancer progression, diagnosis, prognosis, and treatment: An oncomiR or oncoâ€suppressor microRNA?. Journal of Cellular Biochemistry, 2022, 123, 506-531. | 2.6 | 12 |
| 45 | Intracerebral Administration of Autologous Mesenchymal Stem Cells as HSV-TK Gene Vehicle for Treatment of Glioblastoma Multiform: Safety and Feasibility Assessment. Molecular Neurobiology, 2021, 58, 4425-4436. | 4.0 | 11 |
| 46 | Two Triacylglycerol Pathway Genes, CTDNEP1 and LPIN1, are Down-Regulated by hsa-miR-122-5p in Hepatocytes. Archives of Iranian Medicine, 2017, 20, 165-171. | 0.6 | 11 |
| 47 | The synergistic anticancer effects of ReoT3D, CPT-11, and BBI608 on murine colorectal cancer cells. DARU, Journal of Pharmaceutical Sciences, 2020, 28, 555-565. | 2.0 | 10 |
| 48 | miR-424 induces apoptosis in glioblastoma cells and targets AKT1 and RAF1 oncogenes from the ERBB signaling pathway. European Journal of Pharmacology, 2021, 906, 174273. | 3.5 | 10 |
| 49 | Alginate-based 3D cell culture technique to evaluate the half-maximal inhibitory concentration: an in vitro model of anticancer drug study for anaplastic thyroid carcinoma. Thyroid Research, 2021, 14, 27. | 1.5 | 10 |
| 50 | Postbiotics of Lactobacillus casei target virulence and biofilm formation of Pseudomonas aeruginosa by modulating quorum sensing. Archives of Microbiology, 2022, 204, 157. | 2.2 | 10 |
| 51 | MicroRNAs that target RGS5. Iranian Journal of Basic Medical Sciences, 2015, 18, 108-14. | 1.0 | 9 |
| 52 | Wnt5A and TGFÎ²1 Converges through YAP1 Activity and Integrin Alpha v Up-Regulation Promoting Epithelial to Mesenchymal Transition in Ovarian Cancer Cells and Mesothelial Cell Activation. Cells, 2022, 11, 237. | 4.1 | 9 |
| 53 | Expression Analysis of Previously Verified Fecal and Plasma Dow-regulated MicroRNAs (miR-4478,) Tj ETQq1 1 0.784314 rgBT /Overlock 92-95. | 0.6 | 9 |
| 54 | The potency of hsa-miR-9-1 overexpression in photoreceptor differentiation of conjunctiva mesenchymal stem cells on a 3D nanofibrous scaffold. Biochemical and Biophysical Research Communications, 2020, 529, 526-532. | 2.1 | 8 |

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|---|---|---|---|
| 55 | Involvement of EGFR, ERK-1,2 and AKT-1,2 Activity on Human Glioma Cell Growth. Asian Pacific Journal of Cancer Prevention, 2020, 21, 3469-3475. | 1.2 | 8 |
| 56 | Efficient Differentiation of Human Induced Pluripotent Stem Cell (hiPSC) Derived Hepatocyte-Like Cells on hMSCs Feeder. International Journal of Hematology-Oncology and Stem Cell Research, 2014, 8, 20-9. | 0.3 | 8 |
| 57 | Non-coding RNAs enhance the apoptosis efficacy of therapeutic agents used for the treatment of glioblastoma multiform. Journal of Drug Targeting, 2022, 30, 589-602. | 4.4 | 8 |
| 58 | Contribution of Membrane Vesicle to Reprogramming of Bacterial Membrane Fluidity in Pseudomonas aeruginosa. MSphere, 2022, 7, . | 2.9 | 8 |
| 59 | The role of miR-17-92 cluster in the expression of tumor suppressor genes in unrestricted somatic stem cells. Biologicals, 2017, 46, 143-147. | 1.4 | 7 |
| 60 | Pluripotency Crossroads: Junction of Transcription Factors, Epigenetic Mechanisms, MicroRNAs, and Long Non-coding RNAs. Current Stem Cell Research and Therapy, 2017, 12, 300-311. | 1.3 | 7 |
| 61 | Inhibition of Respiratory Syncytial Virus Replication by Simultaneous Targeting of mRNA and Genomic RNA Using Dual-Targeting siRNAs. Molecular Biotechnology, 2016, 58, 767-775. | 2.4 | 5 |
| 62 | The effect of bovine rotavirus and its nonstructural protein 4 on ER stress-mediated apoptosis in HeLa and HT-29 cells. Tumor Biology, 2016, 37, 3155-3161. | 1.8 | 5 |
| 63 | DKK1 expression is suppressed by miR-9 during induced dopaminergic differentiation of human trabecular meshwork mesenchymal stem cells. Neuroscience Letters, 2019, 707, 134250. | 2.1 | 5 |
| 64 | Autophagy Gene Activity May Act As a Key Factor for Sensitivity of Tumor Cells to Oncolytic Vesicular Stomatitis Virus. Iranian Journal of Cancer Prevention, 2016, 9, e3919. | 0.7 | 5 |
| 65 | Lentivirus expressing shRNAs inhibit the replication of contagious ecthyma virus by targeting DNA polymerase gene. BMC Biotechnology, 2020, 20, 18. | 3.3 | 4 |
| 66 | Downregulation of hepatitis C virus replication by miRâ€196a using lentiviral vectors. Microbiology and Immunology, 2021, 65, 161-170. | 1.4 | 3 |
| 67 | Latency-Associated Transcript-Derived MicroRNAs in Herpes Simplex Virus Type 1 Target SMAD3 and SMAD4 in TGF-Î²/Smad Signaling Pathway. Iranian Biomedical Journal, 2021, 25, 169-179. | 0.7 | 3 |
| 68 | Application of iPSCs derived pancreatic Î²-like cells using pancreatic bio-scaffold. Experimental Cell Research, 2021, 405, 112667. | 2.6 | 3 |
| 69 | Potential siRNA Molecules for Nucleoprotein and M2/L Overlapping Region of Respiratory Syncytial Virus: In Silico Design. Jundishapur Journal of Microbiology, 2016, 9, e34304. | 0.5 | 3 |
| 70 | Altered expression of miR-29a-3p and miR-34a-5p by specific inhibition of GSK3Î² in the MPP+ treated SH-SY5Y Parkinson's model. Non-coding RNA Research, 2022, 7, 1-6. | 4.6 | 3 |
| 71 | Aflatoxin B1 impairs inÂvitro early developmental competence of ovine oocytes. Theriogenology, 2022, 183, 53-60. | 2.1 | 3 |
| 72 | A Wnt/Î²â€catenin signaling pathway is involved in early dopaminergic differentiation of trabecular meshworkâ€derived mesenchymal stem cells. Journal of Cellular Biochemistry, 2022, , . | 2.6 | 3 |

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|---|---|---|---|
| 73 | Possible involvement of miRNAs in tropism of Parvovirus B19. Molecular Biology Reports, 2016, 43, 175-181. | 2.3 | 2 |
| 74 | Tumor Microenvironment Changing through Application of MicroRNA-34a Related Mesenchymal Stem Cells Conditioned Medium: Modulation of Breast Cancer Cells toward Non-aggressive Behavior. Iranian Journal of Allergy, Asthma and Immunology, 2021, 20, 221-232. | 0.4 | 2 |
| 75 | Induction of the antioxidant defense system using long-chain carotenoids extracted from extreme halophilic archaeon, Halovenus aranensis. International Microbiology, 2022, 25, 165-175. | 2.4 | 1 |
| 76 | Evaluation of miR-122 Serum Level and IFN-Î»3 Genotypes in Patients with Chronic HCV and HCV-Infected Liver Transplant Candidate. MicroRNA (Shariqah, United Arab Emirates), 2021, 10, 58-65. | 1.2 | 1 |
| 77 | The miR-142 Suppresses U-87 Glioblastoma Cell Growth by Targeting EGFR Oncogenic Signaling Pathway.. Iranian Journal of Pharmaceutical Research, 2021, 20, 202-212. | 0.5 | 1 |