

PERSONAL DETAILS

مشخصات فردی:

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PUBLICATION

مقالات:

Last 8 year (Selected Articles)

Last updated 2021

Nazari, M., Minai-Tehrani, A., Mousavi, S., Zamani Koukhaloo, S., Emamzadeh, R. Development of recombinant biomimetic nano-carrier for targeted gene transfer to HER3 positive breast cancer International Journal of Biological Macromolecules 2021 189, pp. 948-955

Nazari, M., Zamani Koukhaloo, S., Mousavi, Minai Tehrani A, Emamzadeh, R., Cheraghi, R. Development of a ZHER3-Affibody-Targeted Nano-Vector for Gene Delivery to HER3-Overexpressed Breast Cancer Cells Macromol Biosci 2019 19(11):e1900159

Gilany K, Jafarzadeh N, Mani-Varnosfaderani A, Minai-Tehrani A, Sadeghi MR, Darbandi M, Darbandi S, Amini M, Arjmand B, Pahlevanzadeh Z. Metabolic Fingerprinting of Seminal Plasma from Non-obstructive Azoospermia Patients: Positive Versus Negative Sperm Retrieval. *J Reprod Infertil.* 2018 Apr-Jun;19(2):109-114

Gilany K, Minai-Tehrani A, Amini M, Agharezaee N, Arjmand B. The Challenge of Human Spermatozoa Proteome: A Systematic Review. *J Reprod Infertil.* 2017 Jul-Sep;18(3):267-279.

Nazari M, Zarnani AH, Ghods R, Emamzadeh R, Najafzadeh S, Minai-Tehrani A, et al., Optimized protocol for soluble prokaryotic expression, purification and structural analysis of human placenta specific-1(PLAC1). *Protein Expr Purif.* 2017 Mar 16;133:139-151.

Gilany K, Mani-Varnosfaderani A, Minai-Tehrani A, Mirzajani F, Ghassempour A, Sadeghi MR, et al., Untargeted metabolomic profiling of seminal plasma in nonobstructive azoospermia men: A noninvasive detection of spermatogenesis. *Biomed Chromatogr.* 2017 Jan 6.

Minai-Tehrani A, Amini M, Gilany K. Existence of Microchimerism in Pregnant Women Carrying a Boy!. *J Reprod Infertil.* 2016 Jan-Mar;17(1):64-5.

- Jafarzadeh N, Mani-Varnosfaderani A, Minai-Tehrani A, et al. Metabolomics fingerprinting of seminal plasma from unexplained infertile men: A need for novel diagnostic biomarkers, *Mol Reprod Dev.* 2015 Mar;82(3):150.
- Minai-Tehrani A, Jafarzadeh N, Gilany K. Metabolomics: a state-of-the-art technology for better understanding of male infertility. *Andrologia* . 2015 Nov 26
- Gilany K, Minai-Tehrani A, Savadi-Shiraz E, Rezadoost H, Lakpour N. Exploring the Human Seminal Plasma Proteome: An Unexplored Gold Mine of Biomarker for Male Infertility and Male Reproduction Disorder. *J Reprod Infertil.* April 2015; 16(2):61-71.
- Jafarzadeh N, Mani-Varnosfaderani A, Minai-Tehrani A, Savadi-Shiraz E, Sadeghi MR, Gilany K. Metabolomics fingerprinting of seminal plasma from unexplained infertile men: A need for novel diagnostic biomarkers. *Mol Reprod Dev.* Mar 2015, 82(3):150.
- Nazari M, Minai-Tehrani A and Emamzadeh R. Comparison of different probes based on labeled annexin V for detection of apoptosis. *RSC Adv.* 2014 ,4 , 45128-45135
- Hong SH, Kwon JT, Shin JY, Kim JE, Minai-Tehrani A, Yu KN, Lee S, Park SJ, Chang SH, Jiang HL, Vibin M, Han K, Son KH, Kwak WJ, Chae C, Bang SH, Cho MH. Therapeutic effect of *Broussonetia papyrifera* and *Lonicera japonica* in ovalbumin-induced murine asthma model. *Nat Prod Commun.* 2013; 8(11):1609-14.
- Shin JY, Hong SH, Kang B, Minai-Tehrani A, Cho MH. Overexpression of beclin1 induced autophagy and apoptosis in lungs of K-rasLA1 mice. *Lung Cancer.* 2013;81(3):362-70.
- Minai-Tehrani A, Chang SH, Park SB, Cho MH. The O-glycosylation mutant osteopontin alters lung cancer cell growth and migration in vitro and in vivo. *Int J Mol Med.*;2013:32(5):1137-49.
- Chang SH, Kim JE, Lee JH, Minai-Tehrani A, Han K, Chae C, Cho YH, Yun JH, Park K, Kim YS, Cho MH. Aerosol delivery of eukaryotic translation initiation factor 4E-binding protein 1 effectively suppresses lung tumorigenesis in K-rasLA1 mice. 2013; 20(6):331-5.
- Hwang SK, Chang SH, Minai-Tehrani A, Kim YS, Cho MH. Lentivirus-AIMP2-DX2 shRNA suppresses cell proliferation by regulating Akt1 signaling pathway in the lungs of AIMP2^{+/-} mice. *J Aerosol Med Pulm Drug Deliv.* 2013;26(3):165-73.
- Hong SH, Minai-Tehrani A, Chang SH, Jiang HL, Lee S, Lee AY, Seo HW, Chae C, Beck GR Jr, Cho MH. Knockdown of the sodium-dependent phosphate co-transporter 2b (NPT2b) suppresses lung tumorigenesis. *PLoS One.* 2013;8(10):e77121.
- Yu KN, Yoon TJ, Minai-Tehrani A, Kim JE, Park SJ, Jeong MS, Ha SW, Lee JK, Kim JS, Cho MH. Zinc oxide nanoparticle induced autophagic cell death and mitochondrial damage via reactive oxygen species generation. *Toxicol In Vitro.* 2013;27(4):1187-95.
- Kim YK, Minai-Tehrani A, Lee JH, Cho CS, Cho MH, Jiang HL. Therapeutic efficiency of folated poly(ethylene glycol)-chitosan-graft-polyethylenimine-Pdcd4 complexes in H-ras12V mice with liver cancer. *Int J Nanomedicine.* 2013;8:1489-98.
- Kwon JT, Jiang HL, Minai-Tehrani A, Gyu Woo C, Choi M, Cho CS, Kim YS, Cho MH. Gene Expression and Pulmonary Toxicity of Chitosan-graft- Polyethylenimine as Aerosol Gene Carrier. *Iran J Pharm Res.* 2013;12(2):281-6.

Chang SH, Lee HJ, Kang B, Yu KN, Minai-Tehrani A, Lee S, Kim SU, Cho MH. Methylmercury induces caspase-dependent apoptosis and autophagy in human neural stem cells. *J Toxicol Sci.* 2013;38(6):823-31.

Minai-Tehrani A, Chang SH, Kwon JT, Hwang SK, Kim JE, Shin JY, Yu KN, Park SJ, Jiang HL, Kim JH, Hong SH, Kang B, Kim D, Chae CH, Lee KH, Beck GR Jr, Cho MH. Aerosol delivery of lentivirus-mediated O-glycosylation mutant osteopontin suppresses lung tumorigenesis in K-ras (LA1) mice. *Cell Oncol (Dordr).* 2013;36(1):15-26.

Abstract, Poster and Book chapter:

Last 8 years

Minai-Tehrani A, Eslami M, Nafsa Khazaie. Effect of tramadol on liver alkaline phosphatase. The 1st Middle & The 6th Iranian Controlled Release Conference. 25th -27th Febrarury 2014. Tehran, Iran.

Book chapter:

Nazari M, Minai-Tehrani A. Affibody molecules for imaging and cancer therapy; Nanomedicine in diagnosis and treatment of hard to treat diseases. 2015. Tehran, Iran.