**مقالات مرکز سلولی و مولکولی سال2022**

1. Recent application of cobalt ferrite nanoparticles as a theranostic agent
2. Association between CLOCK 3111 T/C polymorphism with ghrelin, GLP-1, food timing, sleep and chronotype in overweight and obese Iranian adults
3. Association and interaction of the MC4R rs17782313 polymorphism with plasma ghrelin, GLP-1, cortisol, food intake and eating behaviors in overweight/obese Iranian adults
4. The Effect of Caspase 8, 9 Gene Polymorphisms on Non-Hodgkin Lymphoma Susceptibility and Clinical/Pathological Features
5. Nanobiosensors for detection of opioids: A review of latest advancements
6. Short-term celecoxib (celebrex) adjuvant therapy: a clinical trial study on COVID-19 patients
7. Application of titanium dioxide nanoparticles in photothermal and photodynamic therapy of cancer: An updated and comprehensive review
8. siRNA-based nanotherapeutics as emerging modalities for immune-mediated diseases: A preliminary review
9. Breast cancer vaccines: New insights into immunomodulatory and nano-therapeutic approaches
10. Effects of folate-conjugated Fe2O3@Au core-shell nanoparticles on oxidative stress markers, DNA damage, and histopathological characteristics: evidence from in vitro and in vivo studies
11. Correction to: New insights into the application of nanoghosts as theranostic tools with an emphasis on cardiovascular diseases (Journal of Nanoparticle Research, (2021), 23, 11, (254), 10.1007/s11051-021-05370-7)
12. Synthesis, in vitro biological and computational evaluation of new copper (II)-phenanthroline complexes
13. Chitosan nanocarriers for microRNA delivery and detection: A preliminary review with emphasis on cancer
14. Recent trends in mesoporous silica nanoparticles of rode-like morphology for cancer theranostics: A review
15. Association of TMPRSS2 Gene Polymorphisms with COVID-19 Severity and Mortality: a Case-Control Study with Computational Analyses
16. A Pilot Study on the Association of Lead, 8-Hydroxyguanine, and Malondialdehyde Levels in Opium Addicts' Blood Serum with Illicit Drug Use and Non-Addict Persons
17. Aptamer-conjugated carbon-based nanomaterials for cancer and bacteria theranostics: A review
18. Novel EPR-enhanced strategies for targeted drug delivery in pancreatic cancer: An update
19. Nano-Based Theranostic Platforms for Breast Cancer: A Review of Latest Advancements
20. Single nucleotide polymorphisms located in TNFA, IL1RN, IL6R, and IL6 genes are associated with COVID-19 risk and severity in an Iranian population
21. SARS-CoV-2 and influenza viruses: Strategies to cope with coinfection and bioinformatics perspective
22. mRNA expression and epigenetic-based role of chromodomain helicase DNA-binding 5 in hepatocellular carcinoma
23. Association of FOXO1 Rs17592236 Polymorphism and Tumor Size in Papillary Thyroid Carcinoma
24. Can nanomaterials support the diagnosis and treatment of human infertility? A preliminary review
25. Nanotechnology for Therapy of Zoonotic Diseases: A Comprehensive Overview
26. Functional Variants of miR-143 Are Associated with Schizophrenia Susceptibility: A Preliminary Population-Based Study and Bioinformatics Analysis
27. Fluorescent-based nanosensors for selective detection of a wide range of biological macromolecules: A comprehensive review
28. Nano-immunotherapeutic strategies for targeted RNA delivery: Emphasizing the role of monocyte/macrophages as nanovehicles to treat glioblastoma multiforme
29. Opportunities and challenges of using high-sensitivity nanobiosensors to detect long noncoding RNAs: A preliminary review
30. Association of polymorphisms in tumor necrosis factors with SARS-CoV-2 infection and mortality rate: A case-control study and in silico analyses
31. Convalescent Blood: Current Perspective on the Efficacy of a Legacy Approach in COVID-19 Treatment
32. Acute Autoimmune Hemolytic Anemia Secondary to COVID 19
33. Prevalence of miR146a Gene Polymorphisms in Diabetic and Non-diabetic Patients with Chronic Kidney Disease
34. Nanotechnology-based approaches for effective detection of tumor markers: A comprehensive state-of-the-art review
35. Pluronic F127/carfilzomib-based nanomicelles as promising nanocarriers: synthesis, characterization, biological, and in silico evaluations
36. Pluronic F127/Doxorubicin microemulsions: Preparation, characterization, and toxicity evaluations
37. The Effects of Zinc Sulfate Supplementation on Serum Copeptin, C-Reactive Protein and Metabolic Markers in Zinc-Deficient Diabetic Patients on Hemodialysis: A Randomized, Double-Blind, Placebo-Controlled Trial
38. The different role of G-protein-coupled receptor 30 (GPR30) in the interaction effects of marijuana and estradiol on spatial learning and memory at different ages
39. Application of Green Gold Nanoparticles in Cancer Therapy and Diagnosis
40. Association of Polymorphisms within HOX Transcript Antisense RNA (HOTAIR) with Type 2 Diabetes Mellitus and Laboratory Characteristics: A Preliminary Case-Control Study
41. Relationship between GABRB2 gene polymorphisms and schizophrenia susceptibility: a case-control study and in silico analyses
42. Association of Polymorphisms in miR146a, an Inflammation-Associated MicroRNA, with the Risk of Idiopathic Recurrent Spontaneous Miscarriage: A Case-Control Study
43. Long noncoding RNA HOTAIR polymorphisms and susceptibility to bipolar disorder: a preliminary case-control study
44. Genomic medicine on the frontier of precision medicine
45. Principles and Applications of CRISPR Toolkit in Virus Manipulation, Diagnosis, and Virus-Host Interactions
46. Genetic Polymorphisms in miR-137 and Its Target Genes, TCF4 and CACNA1C, Contribute to the Risk of Bipolar Disorder: A Preliminary Case-Control Study and Bioinformatics Analysis
47. The effects of lycopene supplementation on insulin-like growth factor-1 and insulin-like growth factor binding proteins: A systematic review of randomized controlled trials
48. Coding Variants of the FMO3 Gene Are Associated with the Risk of Chronic Kidney Disease: A Case-Control Study
49. Adrenal Insufficiency in Patients with Beta-Thalassemia Major in the Southeast of Iran
50. Association Between HOTAIR rs920778 and H19 rs3741219 Polymorphisms with Hashimoto's Thyroiditis (HT) and Graves' Disease (GD)
51. Correlation between adiponectin rs2241766 and rs266729 polymorphisms and risk of papillary thyroid cancer
52. Author Correction: Relationship Between CASP9 and CASP10 Gene Polymorphisms and Cancer Susceptibility: Evidence from an Updated Meta-analysis (Applied Biochemistry and Biotechnology, (2021), 193, 12, (4172-4196), 10.1007/s12010-021-03613-w)