

Description

Significant progress has been made in the development of artificial intelligence systems that can perform tasks previously considered to require human intelligence. These systems are now being used in a wide range of applications, from healthcare to finance. The most significant breakthroughs have been in the areas of natural language processing, computer vision, and game playing. These systems are now able to understand and generate human language, recognize objects in images, and play complex games like Go and Chess. This progress has led to the development of many new products and services, and it is expected that artificial intelligence will continue to play a major role in the future of technology.

trials are needed to evaluate the long-term efficacy and safety of these devices. Further research is also needed to explore the potential of bioartificial organs and the integration of AI and machine learning in the management of patients with artificial organs. Artificial organs represent a significant advancement in modern transplantation, offering life-saving support for patients with end-stage organ failure. Continued research and development in this field hold great promise for addressing the critical shortage of donor organs and improving the lives of countless individuals.

References

1. Khosravi N, Pishavar E, Baradaran B, Oroojalian F, Mokhtarzadeh A, et al. (2022) Stem cell membrane, stem cell-derived exosomes and hybrid stem cell camouflaged nanoparticles: A promising biomimetic nanoplatforms for cancer theranostics. *J Control Release* 348:706-722.
2. Wu HH, Zhou Y, Tabata Y, Gao JQ (2019) Mesenchymal stem cell-based drug delivery strategy: from cells to biomimetic. *J Control Release* 28: 102-113.
3. Yan K, Zhang J, Yin W, Harding JN, Ma F et al. (2022) Transcriptomic heterogeneity of cultured ADSCs corresponds to embolic risk in the host. *IScience* 4: 104822.