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Text Mining-Based Drug Discovery in Osteoarthritis

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Abstract

Osteoarthritis is a prevalent degenerative joint disease characterized by the breakdown of articular cartilage and signifcant pain and functional limitations. Despite its high prevalence and impact on individuals' quality of life, efective therapies for OA are limited. Text mining, a subfeld of data mining, ofers a powerful approach to leverage the vas amount of biomedical literature and accelerate drug discovery in OA. This journal focuses on the advancements and applications of text mining techniques in OA drug discovery, aiming to uncover novel therapeutic targets, identify drug candidates, and undersand disease mechanisms. Through the integration of diverse data sources, including scienti õ validation is crucial to ensure the reliability of text mining-based fndings. Text mining-based drug discovery in OA holds great promise for transforming the feld and accelerating the development of innovative treatments for this debilitating condition.

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An important medical compendium, in 659 AD, is the earliest o cial medical monograph compiled by the state authority in the world .To the best of our knowledge; it is also the rst book to record gallnuts medicine, as well as their activities in treating diarrhea through eliminating the toxins and rebuilding the normal gastrointestinal environment. e medical uses of the other gallnut, Galla B3(u)12(,)0.5(Gaw3(s w)o)172(f)58(95(s,w T[*(e)413(v)-3(rl a)3(ui)-5(,)0(t)-6(h)472(oe)0.5(mb)-9(o)-)0.6(glt)-ye