

File name: FID-029.txt

Result: PLAGIARISM DETECTED

Plagiarism Detected: 93.72%

Text to analyze: The lifestyle of modern society has changed significantly with the emergence of artificial intelligence (AI), machine learning (ML), and deep learning (DL) technologies in recent years. Drug designing and development is an important area of research for pharmaceutical companies and chemical scientists. However, low efficacy, off-target delivery, time consumption, and high cost impose a hurdle and challenges that impact drug design and discovery. Further, complex and big data from genomics, proteomics, microarray data, and clinical trials also impose an obstacle in the drug discovery pipeline. Artificial intelligence and machine learning technology play a crucial role in drug discovery and development. In other words, artificial neural networks and deep learning algorithms have modernized the area. Machine learning and deep learning algorithms have been implemented in several drug discovery processes such as peptide synthesis, structure-based virtual screening, ligand-based virtual screening, toxicity prediction, drug monitoring and release, pharmacophore modeling, quantitative structure–activity relationship, drug repositioning, polypharmacology, and physiochemical activity. We provide an overview of the potential impact of the current AI, ML, and DL methods and their applications on the early detection and treatment. Moreover, novel data mining, curation, and management techniques provided critical support to recently developed modeling algorithms. In summary, artificial intelligence and deep learning advancements provide an excellent opportunity for rational drug design and discovery process, which will eventually impact mankind.

Plagiarized Sentence: The following sentence: ' The lifestyle of modern society has changed significantly with the emergence of artificial intelligence (AI), machine learning (ML), and deep learning (DL) technologies in recent years.' presents plagiarism from the 'org-101.txt' file and sentence 'The lifestyle of modern society has changed significantly with the emergence of artificial

intelligence (AI), machine learning (ML), and deep learning (DL) technologies in recent years.'

Plagiarized Sentence: The following sentence: ' Drug designing and development is an important area of research for pharmaceutical companies and chemical scientists.' presents plagiarism from the 'org-109.txt' file and sentence 'Drug designing and development is an important area of research for pharmaceutical companies and chemical scientists.'

Plagiarized Sentence: The following sentence: ' However, low efficacy, off-target delivery, time consumption, and high cost impose a hurdle and challenges that impact drug design and discovery.' presents plagiarism from the 'org-109.txt' file and sentence 'However, low efficacy, off-target delivery, time consumption, and high cost impose a hurdle and challenges that impact drug design and discovery.'

Plagiarized Sentence: The following sentence: ' Further, complex and big data from genomics, proteomics, microarray data, and clinical trials also impose an obstacle in the drug discovery pipeline.' presents plagiarism from the 'org-109.txt' file and sentence 'Further, complex and big data from genomics, proteomics, microarray data, and clinical trials also impose an obstacle in the drug discovery pipeline.'

Plagiarized Sentence: The following sentence: ' Artificial intelligence and machine learning technology play a crucial role in drug discovery and development.' presents plagiarism from the 'org-109.txt' file and sentence 'Artificial intelligence and machine learning technology play a crucial role in drug discovery and development.'

Plagiarized Sentence: The following sentence: ' In other words, artificial neural networks and deep learning algorithms have modernized the area.' presents plagiarism from the 'org-109.txt' file and sentence 'In other words, artificial neural networks and deep learning algorithms have modernized

the area.'

Plagiarized Sentence: The following sentence: ' Machine learning and deep learning algorithms have been implemented in several drug discovery processes such as peptide synthesis, structure-based virtual screening, ligand-based virtual screening, toxicity prediction, drug monitoring and release, pharmacophore modeling, quantitative structureâ€“activity relationship, drug repositioning, polypharmacology, and physiochemical activity.' presents plagiarism from the 'org-109.txt' file and sentence 'Machine learning and deep learning algorithms have been implemented in several drug discovery processes such as peptide synthesis, structure-based virtual screening, ligand-based virtual screening, toxicity prediction, drug monitoring and release, pharmacophore modeling, quantitative structureâ€“activity relationship, drug repositioning, polypharmacology, and physiochemical activity.'

Plagiarized Sentence: The following sentence: ' We provide an overview of the potential impact of the current AI, ML, and DL methods and their applications on the early detection and treatment.' presents plagiarism from the 'org-101.txt' file and sentence 'We provide an overview of the potential impact of the current AI, ML, and DL methods and their applications on the early detection and treatment of DR, AMD, glaucoma, and other ophthalmic diseases.'

Plagiarized Sentence: The following sentence: ' Moreover, novel data mining, curation, and management techniques provided critical support to recently developed modeling algorithms.' presents plagiarism from the 'org-109.txt' file and sentence 'Moreover, novel data mining, curation, and management techniques provided critical support to recently developed modeling algorithms.'

Plagiarized Sentence: The following sentence: ' In summary, artificial intelligence and deep learning advancements provide an excellent opportunity for rational drug design and discovery process, which will eventually impact mankind.' presents plagiarism from the 'org-109.txt' file and sentence

'In summary, artificial intelligence and deep learning advancements provide an excellent opportunity for rational drug design and discovery process, which will eventually impact mankind.'

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