File name: FID-09.txt

Result: PLAGIARISM DETECTED

Plagiarism Detected: 81.99%

Text to analyze: Drug designing and development represent crucial areas of research for pharmaceutical companies and chemical scientists. However, challenges such as low efficacy, off-target delivery, time consumption, and high cost hinder progress in drug design and discovery. Additionally, the complexity and volume of data from genomics, proteomics, microarray data, and clinical trials pose significant obstacles in the drug discovery pipeline. Artificial intelligence (AI) and machine learning (ML) technologies have revolutionized drug discovery and development, particularly through the use of artificial neural networks and deep learning algorithms. These technologies have modernized various processes in drug discovery, including 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. Historical evidence supports the implementation of AI and deep learning in drug discovery. Furthermore, novel data mining, curation, and management techniques have provided critical support to newly developed modeling algorithms. In summary, advancements in AI and deep learning offer significant opportunities for rational drug design and discovery, ultimately benefiting mankind.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 structureâ€“activity relationship, drug repositioning, polypharmacology, and physiochemical activity. Evidence from the past strengthens the implementation of artificial intelligence and deep learning in this field. 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: ' Drug designing and development represent crucial areas 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, challenges such as low efficacy, off-target delivery, time consumption, and high cost hinder progress in 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: ' Additionally, the complexity and volume of data from genomics, proteomics, microarray data, and clinical trials pose significant obstacles 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.'

Sentence: Artificial intelligence (AI) and machine learning (ML) technologies have revolutionized drug discovery and development, particularly through the use of artificial neural networks and deep

learning algorithms. || does not present plagiarism

Plagiarized Sentence: The following sentence: ' These technologies have modernized various processes in drug discovery, including 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: ' Historical evidence supports the implementation of AI and deep learning in drug discovery.' presents plagiarism from the 'org-109.txt' file and sentence 'Evidence from the past strengthens the implementation of artificial intelligence and deep learning in this field.'

Plagiarized Sentence: The following sentence: ' Furthermore, novel data mining, curation, and management techniques have provided critical support to newly 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, advancements in AI and deep learning offer significant opportunities for rational drug design and discovery, ultimately benefiting mankind.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.'

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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: ' Evidence from the past strengthens the implementation of artificial intelligence and deep learning in this field.' presents plagiarism from the 'org-109.txt' file and sentence 'Evidence from the past strengthens the implementation of artificial intelligence and deep learning in this field.'

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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