

File name: FID-029.txt
Result: PLAGIARISM DETECTED
Plagiarism percentage: 94%

Most similar document(s):

org-109.txt with similarity: 90.0%

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.

Sentence analysis:

Plagiarized sentence (file FID-029.txt):

'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.'

Original sentence (file org-101.txt):

'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 (file FID-029.txt):

'Drug designing and development is an important area of research for pharmaceutical companies and chemical scientists.'

Original sentence (file org-109.txt):

'Drug designing and development is an important area of research for pharmaceutical companies and chemical scientists.'

Plagiarized sentence (file FID-029.txt):

'However, low efficacy, off-target delivery, time consumption, and high cost impose a hurdle and challenges that impact drug design and discovery.'

Original sentence (file org-109.txt):

'However, low efficacy, off-target delivery, time consumption, and high cost impose a hurdle and challenges that impact drug design and discovery.'

Plagiarized sentence (file FID-029.txt):

'Further, complex and big data from genomics, proteomics, microarray data, and clinical trials also impose an obstacle in the drug discovery pipeline.'

Original sentence (file org-109.txt):

'Further, complex and big data from genomics, proteomics, microarray data, and clinical trials also impose an obstacle in the drug discovery pipeline.'

Plagiarized sentence (file FID-029.txt):

'Artificial intelligence and machine learning technology play a crucial role in drug discovery and development.'

Original sentence (file org-109.txt):

'Artificial intelligence and machine learning technology play a crucial role in drug discovery and development.'

Plagiarized sentence (file FID-029.txt):

'In other words, artificial neural networks and deep learning algorithms have modernized the area.'

Original sentence (file org-109.txt):

'In other words, artificial neural networks and deep learning algorithms have modernized the area.'

Plagiarized sentence (file FID-029.txt):

'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.'

Original sentence (file org-109.txt):

'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.'

Plagiarized sentence (file FID-029.txt):

'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.'

Original sentence (file org-101.txt):

'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 (file FID-029.txt):

'Moreover, novel data mining, curation, and management techniques provided critical support to recently developed modeling algorithms.'

Original sentence (file org-109.txt):

'Moreover, novel data mining, curation, and management techniques provided critical support to recently developed modeling algorithms.'

Plagiarized sentence (file FID-029.txt):

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

Original sentence (file org-109.txt):

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