chem-bla-ics

Richard L. Apodaca

Egon Willighagen 💿

Published December 8, 2024

Citation

Willighagen, E. (2024, December 8). Richard L. Apodaca. *Chem-bla-ics*. https://doi.org/10.59350/myaw4-dtg76

Keywords

Openscience, Cheminf

Depth-First

Archive | About

Changes

By Richard L. Apodaca

August 12th 2006

By far the most challenging problem solved by the IBM 704 computer system was the storage of two-dimensional structures of organic compounds in such a way that the file could be searched for any structural fragment or moiety that could be drawn and have the computer print the structure is [sic] such a way that the chemist could recognize it without translating or decoding.

W. H. Waldo

Computers have been used to solve chemical informatics problems for a long time. Hardware and software have changed radically, but surprisingly, many of the most important problems of 1956 are still significant in 2006.

Like many older information industries, chemical informatics has been dominated by a few big players for most of its existence. The recent development of free databases containing millions of chemical structures (for example, PubChem and Zinc, and numerous other factors, are rapidly driving down the costs of obtaining chemical information. Cheaper chemical information in turn brings the shortcomings of the

Copyright

Copyright © Egon Willighagen 2024. Distributed under the terms of the Creative Commons Attribution 4.0 International License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.