Crude Oil Price Prediction- Artificial Intelligence

S.No	Author	Project title	Year	Abstract	Journal
1.	Y. Jeevan Nagendra Kumar, Partapu Preetham.	Crude Oil Price Prediction Based on Deep learning	2020	The crude oil price has a huge impact on the world's economy. From the past few years, crude oil price fluctuates more than any other commodities prices. As the crude oil price depends on several external factors and there is high volatility predicting crude oil prices is very challenging. The exploratory results show that the proposed model achieves increments in the expected precision of results.	Second International Conferece on Inventive Research in Computing Applications (ICIRCA)
2.	P. Kiran Varma, P. Rohith, P. Dilip Kumar	Oil prediction Using AI	2019	Long Short-Term Memory (LSTM) based on a recurrent neural network has shown better results in predicting prices that have high volatility. By utilizing this model, the significant crude oil price is evaluated and modelled. The exhibition of the proposed model is assessed by utilizing the valuable information in the WTI unrefined petroleum markets.	Internationl Journal of scientific and Engineering Research
3.	Hongtao Hu, Xiaojing Zhai.	Prediction Method of Crude Oil	2018	Accurate prediction of crude oil production is the basis for analyzing oil reservoir status and making oilfield development plans. To resolve the problem of uncertain structure and network over-fitting issue BP neural network has in predicting crude oil production, this paper proposes an optimized BP neural network method based on fuzzy clustering algorithm and generic algorithm, utilizing the global search ability of genetic algorithm and the data screening ability of fuzzy clustering algorithm.	9th International Conference on Software Engineering and Service Science (ICSESS)

4.	Jinrong Feng, Xin Guan.	Production of Crude Oil Based on FCM_GA_BP Neural Network	2017	At present, the main methods of crude oil production prediction are grey theory, neural network, support vector machine and optimization algorithm. Among all, BP neural network [1] is the most widely used method. However, when using BP neural network to predict crude oil production, since the initial weight and threshold of BP neural network are random values, if the initial weight and threshold are not properly selected, BP neural network will converge to the local optimum.	Second International Conference on Software Engineering Service
5.	ShuangGao, YalinLei	A new approach for crude oil price prediction based on stream learning	2017	Crude oil is the world's leading fuel, and its prices have a big impact on the global environment, economy as well as oil exploration and exploitation activities. Oil price forecasts are very useful to industries, governments and individuals. Although many methods have been developed for predicting oil prices, it remains one of the most challenging forecasting problems due to the high volatility of oil prices. In this paper, we propose a novel approach for crude oil price prediction based on a new machine learning paradigm called stream learning.	International Conference on The Economic Management
6.	Hongtao Hu, Xiaojing Zhai.	Prediction Method of Crude Oil	2018	Accurate prediction of crude oil production is the basis for analyzing oil reservoir status and making oilfield development plans. To resolve the problem of uncertain structure and network over-fitting issue BP neural network has in predicting crude oil production, optimized BP neural network method based on fuzzy clustering algorithm and generic algorithm, utilizing the global search ability of genetic algorithm and the data screening ability of fuzzy clustering algorithm.	Second International Conferece on Inventive Research in Computing Applications.

7.	Partapu Preetham. Y. Jeevan Nagendra Kumar,	Prediction Method of Crude Oil	2019	The crude oil price has a huge impact on the world's economy. From the past few years, crude oil price fluctuates more than any other commodities prices. As the crude oil price depends on several external factors and there is high volatility predicting crude oil prices is very challenging. The exploratory results show that the proposed model achieves increments in the expected precision of results.	International journal of Scientific Engineering and Research(IJSR)
8.	Xin Guan, G.Nagendra	Production of Crude Oil Based on Neural Network	2018	The main methods of crude oil production prediction are grey theory, neural network, support vector machine and optimization algorithm. Among all, BP neural network is the most widely used method. However, when using BP neural network to predict crude oil production, since the initial weight and threshold of BP neural network are random values, if the initial weight and threshold are not properly selected, BP neural network will converge to the local optimum.	Second International Conference on Software Engineering Service.
9.	Tianya Hou, Kanghe Park , Chan-Kyoo Park	Prediction of movement direction in crude oil prices based on semi-supervised learning	2020	This has been complicated by the influence of the irregular impact caused by the economic factors that affect the oil price. Recently, a machine learning algorithm, known as semi-supervised learning (SSL) has emerged, whose strength is the ease it can bring to the network representation of entities and the explicitness of inference which is expressed through relations between different entities. Since an awareness of the network representation of complicated relations between economic factors including the oil price is natural in SSL, this method allows the effects of the impact of economic factors on the oil price to be assessed with improved accuracy.	International journal of Scientific Engineering and Research(IJSR)

10.	Hongtao Hu, Xiaojing Zhai.	Oil prediction Using Deep Learning	2017	At present, the main methods of crude oil production prediction are grey theory, neural network, support vector machine and optimization algorithm. Among all, BP neural network [1] is the most widely used method. However, when using BP neural network to predict crude oil production, since the initial weight and threshold of BP neural network are random values, if the initial weight and threshold are not properly selected, BP neural network will converge to the local optimum.	International journal of Scientific Engineering and Research(IJSR)