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Predicting wettability behavior of fluorosilica coated metal surface using optimum neural network

Mehran Taghipour-Gorjikolaie , Naser Valipour Motlagh

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**Highlights**

- An FFNN model was developed for predicting contact angle and sliding angle of drops
- The optimum training using particle swarm optimization is proposed in this paper
- The proposed model had more reliable performance than MLP and RBF based models
- Regression index for the optimum proposed model was close to unit

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