

Prace wchodzące w skład osiągnięcia naukowego

1. **Kwedło W.**, 2011, A clustering method combining differential evolution with the K-means algorithm, Pattern Recognition Letters 32(12), 2011, 1613-1621, IF=1,034.
2. **Kwedło W.**, 2014, A parallel EM algorithm for Gaussian mixture Models Implemented on a NUMA system Using OpenMP, 22nd Euromicro International Conference on Parallel, Distributed and Network-Based Processing (PDP), Turyn, Włochy, IEEE, 292-298.
3. **Kwedło W.**, 2015, A new random approach for initialization of the multiple restart EM algorithm for Gaussian model-based clustering, Pattern Analysis and Applications 18(4), 757-770, IF=1,104.
4. **Kwedło W.**, 2017, Two modifications of Yinyang K-means algorithm, Artificial Intelligence and Soft Computing. 16th International Conference (ICAISC 2017), Lecture Notes in Artificial Intelligence 10246, Springer, 94-103.
5. **Kwedło W.**, Czochoński P. J., 2019, A hybrid MPI/OpenMP parallelization of K-means algorithms accelerated using the triangle inequality, IEEE Access 7, 2019, doi: 10.1109/ACCESS.2019.2907885, IF=3,557.

Pozostałe prace (po uzyskaniu stopnia doktora)

A. Publikacje naukowe w czasopismach znajdujących się w bazie Journal Citation Reports (JCR)

1. Tankiewicz-Kwedło A., Hermanowicz J., Surażyński A., **Kwedło W.**, Rożkiewicz D., Pawlak K., Domaniewski T., Pawlak D., 2017, Erythropoietin enhances the cytotoxic effect of hydrogen peroxide on colon cancer cells. Current Pharmaceutical Biotechnology, 18(2), 127-137, IF=1,819.
2. Bandurski K., **Kwedło W.**, 2010, A Lamarckian hybrid of differential evolution and conjugate gradients for neural network training, Neural Processing Letters 32(1), 31-44, IF=1,088.

B. Publikacje naukowe w czasopismach z listy B MNiSW

1. **Kwedło W.**, 2014, Estimation of parameters of Gaussian mixture models by a hybrid method combining a self-adaptive differential evolution with the EM algorithm, Advances in Computer Science Research 11, 109-123.
2. **Kwedło W.**, 2009, Training neural networks with a hybrid differential evolution algorithm, Zeszyty Naukowe Politechniki Białostockiej. Informatyka 4, 5-17.

C. Referaty w materiałach konferencyjnych indeksowanych przez bazę Web of Science Core Collection

1. **Kwedło W.**, 2006, Parallelizing evolutionary algorithms for clustering data, 6th International Conference on Parallel Processing and Applied Mathematics PPAM 2005, Lecture Notes in Computer Science 3911, Springer, 430-438
2. **Kwedło W.**, Bandurski K., 2006, A parallel differential evolution algorithm for neural network training, International Symposium on Parallel Computing in Electrical Engineering PARELEC 2006, Białystok, IEEE Computer Society Press, 319-324.
3. **Kwedło W.**, Iwanowicz P., 2010, Using genetic algorithm for selection of initial cluster centers for the K-means method, Artificial Intelligence and Soft Computing 10th International Conference (ICAISC 2010), Lecture Notes in Artificial Intelligence 6114, Springer, 165-172.

4. **Kwedlo W.**, 2013, A new method for random initialization of the EM Algorithm for multivariate Gaussian mixture learning, Proceedings of the 8th International Conference on Computer Recognition Systems CORES 2013, Advances in Intelligent Systems and Computing 226, Springer, 81-90.
5. **Kwedlo W.**, 2016, Using a genetic algorithm for selection of starting conditions for the EM algorithm for Gaussian mixture models, 9th International Conference on Computer Recognition Systems CORES 2015, Advances in Intelligent Systems and Computing 403, Springer, 125-134.

Wskaźniki bibliometryczne

Liczba cytowań

Web of Science Core Collection: 156 cytowań, (144 bez autocytowań)

Scopus: 203 cytowania (183 bez autocytowań).

Google Scholar: 322 cytowania

Indeks Hirscha

Web of Science Core Collection: 7

Scopus: 8

Google Scholar: 10

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