

# Karol R Opara

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26

papers

262

citations

6

h-index

16

g-index

28

ext. papers

377

ext. citations

3.8

avg, IF

4.51

L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 26 | Spherical Model of Population Dynamics in Differential Evolution. <i>Studies in Computational Intelligence</i> , <b>2022</b> , 23-42   | 0.8  |           |
| 25 | Regularization and concave loss functions for estimation of chemical kinetic models. <i>Applied Soft Computing Journal</i> , <b>2022</b> , 116, 108286   | 7.5  | 1         |
| 24 | Assessing the Share of the Artificial Ad-Related Traffic: Some General Observations. <i>Smart Innovation, Systems and Technologies</i> , <b>2022</b> , 307-319   | 0.5  | 1         |
| 23 | MAV Control Charts for Monitoring Two-State Processes Using Indirectly Observed Binary Data <b>2021</b> , 121-142  |      |           |
| 22 | Reverse Clustering. <i>Studies in Computational Intelligence</i> , <b>2021</b> ,   | 0.8  | 4         |
| 21 | Road roughness estimation through smartphone-measured acceleration. <i>IEEE Intelligent Transportation Systems Magazine</i> , <b>2021</b> , 0-0  | 2.6  | 1         |
| 20 | The Chemicals in the Natural Environment. <i>Studies in Computational Intelligence</i> , <b>2021</b> , 53-62   | 0.8  |           |
| 19 | Smartphone as a monitoring tool for bipolar disorder: a systematic review including data analysis, machine learning algorithms and predictive modelling. <i>International Journal of Medical Informatics</i> , <b>2020</b> , 138, 104131 | 5.3  | 20        |
| 18 | Radial model of differential evolution dynamics <b>2020</b> ,  |      | 1         |
| 17 | Population Diversity of Nonelitist Evolutionary Algorithms in the Exploration Phase. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2020</b> , 24, 1050-1062  | 15.6 | 4         |
| 16 | Control charts based on fuzzy costs for monitoring short autocorrelated time series. <i>International Journal of Approximate Reasoning</i> , <b>2019</b> , 114, 166-181  | 3.6  | 4         |
| 15 | Differential Evolution: A survey of theoretical analyses. <i>Swarm and Evolutionary Computation</i> , <b>2019</b> , 44, 546-558  | 9.8  | 132       |
| 14 | Control Charts Designed Using Model Averaging Approach for Phase Change Detection in Bipolar Disorder. <i>Advances in Intelligent Systems and Computing</i> , <b>2019</b> , 115-123  | 0.4  | 8         |
| 13 | Self-organizing Maps Using Acoustic Features for Prediction of State Change in Bipolar Disorder. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 148-160  | 0.9  | 3         |
| 12 | The contour fitting property of differential mutation. <i>Swarm and Evolutionary Computation</i> , <b>2019</b> , 50, 100441  | 9.8  | 4         |
| 11 | Comparison of mutation strategies in Differential Evolution [A probabilistic perspective. <i>Swarm and Evolutionary Computation</i> , <b>2018</b> , 39, 53-69  | 9.8  | 44        |
| 10 | Reverse clustering: an outline for a concept and its use. <i>Toxicological and Environmental Chemistry</i> , <b>2017</b> , 1-18  | 1.4  | 4         |

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|---|--|-----|----|
| 9 | ROAD TEMPERATURE MODELLING WITHOUT IN-SITU SENSORS. <i>Baltic Journal of Road and Bridge Engineering</i> , <b>2017</b> , 12, 241-247   | 0.9 | 2  |
| 8 | Factors affecting raveling of motorway pavements – A field experiment with new additives to the deicing brine. <i>Construction and Building Materials</i> , <b>2016</b> , 113, 174-187 | 6.7 | 10 |
| 7 | Computation of general correlation coefficients for interval data. <i>International Journal of Approximate Reasoning</i> , <b>2016</b> , 73, 56-75                                     | 3.6 | 3  |
| 6 | Grammatical rhymes in Polish poetry: A quantitative analysis. <i>Digital Scholarship in the Humanities</i> , <b>2015</b> , 30, 589-598   | 0.6 | 1  |
| 5 | Censoring mutation in differential evolution <b>2013</b> ,   |     | 1  |
| 4 | Efficient Calculation of Kendall's $\tau$ for Interval Data. <i>Advances in Intelligent Systems and Computing</i> , <b>2013</b> , 203-210  | 0.4 |    |
| 3 | Decomposition and Metaoptimization of Mutation Operator in Differential Evolution. <i>Lecture Notes in Computer Science</i> , <b>2012</b> , 110-118                                    | 0.9 | 3  |
| 2 | DMEA – An algorithm that combines differential mutation with the fitness proportionate selection <b>2011</b> ,   |     | 5  |
| 1 | Differential Mutation Based on Population Covariance Matrix <b>2010</b> , 114-123  |     | 6  |