

Victor Gergel

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

372
citations

932766

10
h-index

839053

18
g-index

51
all docs

51
docs citations

51
times ranked

90
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Computationally efficient approach for solving lexicographic multicriteria optimization problems. Optimization Letters, 2021, 15, 2469-2495. | 0.9 | 5 |
| 2 | An Approach for Simultaneous Finding of Multiple Efficient Decisions in Multi-objective Optimization Problems. Lecture Notes in Computer Science, 2021, , 127-143. | 1.0 | 1 |
| 3 | Parametric Randomization for Accelerating the Nested Global Optimization. Communications in Computer and Information Science, 2021, , 232-246. | 0.4 | 0 |
| 4 | Parallel solving of multiple information-coordinated global optimization problems. Journal of Parallel and Distributed Computing, 2021, 154, 153-162. | 2.7 | 0 |
| 5 | Multilevel Parallel Computations for Solving Multistage Multicriteria Optimization Problems. Lecture Notes in Computer Science, 2020, , 17-30. | 1.0 | 1 |
| 6 | Combining Local and Global Search in a Parallel Nested Optimization Scheme. Communications in Computer and Information Science, 2020, , 100-112. | 0.4 | 1 |
| 7 | Multistage Global Search Using Various Scalarization Schemes in Multicriteria Optimization Problems. Advances in Intelligent Systems and Computing, 2020, , 638-648. | 0.5 | 1 |
| 8 | Multiextremal Optimization in Feasible Regions with Computable Boundaries on the Base of the Adaptive Nested Scheme. Lecture Notes in Computer Science, 2020, , 112-123. | 1.0 | 2 |
| 9 | Parallel Computations for Various Scalarization Schemes in Multicriteria Optimization Problems. Lecture Notes in Computer Science, 2020, , 174-184. | 1.0 | 1 |
| 10 | Global Optimization Method with Numerically Calculated Function Derivatives. Communications in Computer and Information Science, 2020, , 3-14. | 0.4 | 0 |
| 11 | A Visual-Based Approach for Evaluating Global Optimization Methods. Communications in Computer and Information Science, 2020, , 137-149. | 0.4 | 0 |
| 12 | Multidimensional Global Search Using Numerical Estimations of Minimized Function Derivatives and Adaptive Nested Optimization Scheme. Lecture Notes in Computer Science, 2020, , 378-385. | 1.0 | 0 |
| 13 | Comparative Analysis of Parallel Computational Schemes for Solving Time-Consuming Decision-Making Problems. Communications in Computer and Information Science, 2019, , 107-121. | 0.4 | 0 |
| 14 | Multidimensional global optimization using numerical estimates of objective function derivatives. Optimization Methods and Software, 2019, , 1-21. | 1.6 | 4 |
| 15 | GPU-Based Parallel Computations in Multicriterial Optimization. Communications in Computer and Information Science, 2019, , 88-100. | 0.4 | 1 |
| 16 | A flexible generator of constrained global optimization test problems. AIP Conference Proceedings, 2019, , . | 0.3 | 6 |
| 17 | Comprehensive Collection of Time-Consuming Problems for Intensive Training on High Performance Computing. Communications in Computer and Information Science, 2019, , 523-530. | 0.4 | 2 |
| 18 | A Global Optimization Algorithm for Non-Convex Mixed-Integer Problems. Lecture Notes in Computer Science, 2019, , 78-81. | 1.0 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Adaptive Dimensionality Reduction in Multiobjective Optimization with Multiextremal Criteria. Lecture Notes in Computer Science, 2019, , 129-140. | 1.0 | 6 |
| 20 | HPC Implementation of the Multipoint Approximation Method for Large Scale Design Optimization Problems Under Uncertainty. , 2019, , 296-306. | | 1 |
| 21 | A Highly Parallel Approach for Solving Computationally Expensive Multicriteria Optimization Problems. Communications in Computer and Information Science, 2019, , 3-14. | 0.4 | 0 |
| 22 | Parallel Dimensionality Reduction for Multiextremal Optimization Problems. Lecture Notes in Computer Science, 2019, , 166-178. | 1.0 | 1 |
| 23 | Efficient multicriterial optimization based on intensive reuse of search information. Journal of Global Optimization, 2018, 71, 73-90. | 1.1 | 17 |
| 24 | Generalized Parallel Computational Schemes for Time-Consuming Global Optimization. Lobachevskii Journal of Mathematics, 2018, 39, 576-586. | 0.1 | 9 |
| 25 | Globalizer: A novel supercomputer software system for solving time-consuming global optimization problems. Numerical Algebra, Control and Optimization, 2018, 8, 47-62. | 1.0 | 26 |
| 26 | Globalizer – A Parallel Software System for Solving Global Optimization Problems. Lecture Notes in Computer Science, 2017, , 492-499. | 1.0 | 6 |
| 27 | Efficient Methods of Multicriterial Optimization Based on the Intensive Use of Search Information. Springer Proceedings in Mathematics and Statistics, 2017, , 27-45. | 0.1 | 4 |
| 28 | Parallel Computing for Time-Consuming Multicriterial Optimization Problems. Lecture Notes in Computer Science, 2017, , 446-458. | 1.0 | 4 |
| 29 | Optimization of Drop Characteristics in a Carrier Cooled Gas Stream Using ANSYS and Globalizer Software Systems on the PNRPU High-Performance Cluster. Communications in Computer and Information Science, 2017, , 331-345. | 0.4 | 7 |
| 30 | An Approach for Generating Test Problems of Constrained Global Optimization. Lecture Notes in Computer Science, 2017, , 314-319. | 1.0 | 7 |
| 31 | Global Optimization Using Numerical Approximations of Derivatives. Lecture Notes in Computer Science, 2017, , 320-325. | 1.0 | 3 |
| 32 | An Approach for Parallel Solving the Multicriterial Optimization Problems with Non-convex Constraints. Communications in Computer and Information Science, 2017, , 121-135. | 0.4 | 3 |
| 33 | Globalizer Lite: A Software System for Solving Global Optimization Problems. Communications in Computer and Information Science, 2017, , 130-143. | 0.4 | 0 |
| 34 | Solving Time-Consuming Global Optimization Problems with Globalizer Software System. Communications in Computer and Information Science, 2017, , 108-120. | 0.4 | 0 |
| 35 | Parallel Numerical Methods Course for Future Scientists and Engineers. Communications in Computer and Information Science, 2017, , 3-13. | 0.4 | 4 |
| 36 | Accelerating multicriterial optimization by the intensive exploitation of accumulated search data. AIP Conference Proceedings, 2016, , . | 0.3 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Solving global optimization problems on GPU cluster. AIP Conference Proceedings, 2016, , . | 0.3 | 20 |
| 38 | Parallel global optimization on GPU. Journal of Global Optimization, 2016, 66, 3-20. | 1.1 | 50 |
| 39 | Adaptive nested optimization scheme for multidimensional global search. Journal of Global Optimization, 2016, 66, 35-51. | 1.1 | 43 |
| 40 | Internet-Oriented Educational Course "Introduction to Parallel Computing" A Simple Way to Start. Communications in Computer and Information Science, 2016, , 291-303. | 0.4 | 1 |
| 41 | A Unified Approach to Use of Coprocessors of Various Types for Solving Global Optimization Problems. , 2015, , . | | 10 |
| 42 | Challenges of a Systematic Approach to Parallel Computing and Supercomputing Education. Lecture Notes in Computer Science, 2015, , 90-101. | 1.0 | 11 |
| 43 | Heterogeneous Parallel Computations for Solving Global Optimization Problems1. Procedia Computer Science, 2015, 66, 53-62. | 1.2 | 18 |
| 44 | Local Tuning in Nested Scheme of Global Optimization. Procedia Computer Science, 2015, 51, 865-874. | 1.2 | 49 |
| 45 | Use of Xeon Phi Coprocessor for Solving Global Optimization Problems. Lecture Notes in Computer Science, 2015, , 307-318. | 1.0 | 16 |
| 46 | A Two-Level Parallel Global Search Algorithm for Solution of Computationally Intensive Multiextremal Optimization Problems. Lecture Notes in Computer Science, 2015, , 505-515. | 1.0 | 19 |