

Bolesław Kacwicz

List of Publications by Year in descending order

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29
papers

193
citations

1040056

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h-index

1058476

14
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31
all docs

31
docs citations

31
times ranked

43
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Almost optimal solution of initial-value problems by randomized and quantum algorithms. Journal of Complexity, 2006, 22, 676-690. | 1.3 | 43 |
| 2 | Randomized and quantum algorithms yield a speed-up for initial-value problems. Journal of Complexity, 2004, 20, 821-834. | 1.3 | 17 |
| 3 | Worst-case conditional system identification in a general class of norms. Automatica, 1999, 35, 1049-1058. | 5.0 | 15 |
| 4 | On the optimal error of algorithms for solving a scalar autonomous ode. BIT Numerical Mathematics, 1982, 22, 503-518. | 2.0 | 13 |
| 5 | Complexity of Nonlinear Two-Point Boundary-Value Problems. Journal of Complexity, 2002, 18, 702-738. | 1.3 | 13 |
| 6 | Improved bounds on the randomized and quantum complexity of initial-value problems. Journal of Complexity, 2005, 21, 740-756. | 1.3 | 13 |
| 7 | Complexity of the derivative-free solution of systems of IVPs with unknown singularity hypersurface. Journal of Complexity, 2015, 31, 75-97. | 1.3 | 12 |
| 8 | Optimal adaptive solution of initial-value problems with unknown singularities. Journal of Complexity, 2008, 24, 455-476. | 1.3 | 10 |
| 9 | Optimality of Euler-integral information for solving a scalar autonomous ode. BIT Numerical Mathematics, 1983, 23, 217-230. | 2.0 | 9 |
| 10 | An integral-interpolation iterative method for the solution of scalar equations. Numerische Mathematik, 1976, 26, 355-365. | 1.9 | 8 |
| 11 | Optimal adaptive solution of piecewise regular systems of IVPs with unknown switching hypersurface. Applied Mathematics and Computation, 2014, 228, 116-127. | 2.2 | 8 |
| 12 | Optimal solution of a class of non-autonomous initial-value problems with unknown singularities. Journal of Computational and Applied Mathematics, 2014, 261, 364-377. | 2.0 | 8 |
| 13 | On the optimal robust solution of IVPs with noisy information. Numerical Algorithms, 2016, 71, 505-518. | 1.9 | 6 |
| 14 | Integrals with a Kernel in the Solution of Nonlinear Equations in N Dimensions. Journal of the ACM, 1979, 26, 239-249. | 2.2 | 4 |
| 15 | Asymptotic setting (revisited): analysis of a boundary-value problem and a relation to a classical approximation result. Journal of Complexity, 2004, 20, 796-806. | 1.3 | 3 |
| 16 | Suboptimal conditional estimators for restricted complexity set membership identification. , 1999, , 117-133. | | 2 |
| 17 | Optimal Average Case Estimation in Hilbert Norms. Mathematics of Control, Signals, and Systems, 2000, 13, 347-359. | 2.3 | 2 |
| 18 | Adaptive mesh point selection for the efficient solution of scalar IVPs. Numerical Algorithms, 2018, 77, 57-75. | 1.9 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Efficient finite-dimensional solution of initial value problems in infinite-dimensional Banach spaces. <i>Journal of Mathematical Analysis and Applications</i> , 2019, 471, 322-341. | 1.0 | 2 |
| 20 | Weighted Average Errors in Set-Membership Estimation. <i>Mathematics of Control, Signals, and Systems</i> , 2003, 16, 238-253. | 2.3 | 1 |
| 21 | How to minimize the cost of iterative methods in the presence of perturbations. <i>Journal of Complexity</i> , 2003, 19, 85-99. | 1.3 | 1 |
| 22 | Adaptive mesh selection asymptotically guarantees a prescribed local error for systems of initial value problems. <i>Advances in Computational Mathematics</i> , 2018, 44, 1325-1344. | 1.6 | 1 |
| 23 | Optimal and suboptimal algorithms in set membership identification. <i>Mathematical and Computer Modelling of Dynamical Systems</i> , 2005, 11, 159-169. | 2.2 | 0 |
| 24 | On the quantum and randomized approximation of linear functionals on function spaces. <i>Quantum Information Processing</i> , 2011, 10, 279-296. | 2.2 | 0 |
| 25 | Complexity of solving nonlinear equations in the deterministic, randomized and quantum settings. <i>Applied Mathematics and Computation</i> , 2013, 224, 652-662. | 2.2 | 0 |
| 26 | Efficient solution of IVPs with right-hand sides having discontinuities on an unknown hypersurface. <i>Applied Mathematics and Computation</i> , 2015, 265, 469-485. | 2.2 | 0 |
| 27 | Complexity of certain nonlinear two-point BVPs with Neumann boundary conditions. <i>Journal of Complexity</i> , 2017, 38, 6-21. | 1.3 | 0 |
| 28 | Asymptotically tight worst case complexity bounds for initial-value problems with nonadaptive information. <i>Journal of Complexity</i> , 2018, 47, 86-96. | 1.3 | 0 |
| 29 | On Mathematics, Complexity and Life.. , 2018, , . | | 0 |