

Bolesław Kacwicz

List of Publications by Year in descending order

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29
papers

193
citations

1040056

9
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1058476

14
g-index

31
all docs

31
docs citations

31
times ranked

43
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Adaptive mesh point selection for the efficient solution of scalar IVPs. <i>Numerical Algorithms</i> , 2018, 77, 57-75.	1.9	2
4	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
5	On Mathematics, Complexity and Life.. , 2018, , .		0
6	Complexity of certain nonlinear two-point BVPs with Neumann boundary conditions. <i>Journal of Complexity</i> , 2017, 38, 6-21.	1.3	0
7	On the optimal robust solution of IVPs with noisy information. <i>Numerical Algorithms</i> , 2016, 71, 505-518.	1.9	6
8	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
9	Complexity of the derivative-free solution of systems of IVPs with unknown singularity hypersurface. <i>Journal of Complexity</i> , 2015, 31, 75-97.	1.3	12
10	Optimal adaptive solution of piecewise regular systems of IVPs with unknown switching hypersurface. <i>Applied Mathematics and Computation</i> , 2014, 228, 116-127.	2.2	8
11	Optimal solution of a class of non-autonomous initial-value problems with unknown singularities. <i>Journal of Computational and Applied Mathematics</i> , 2014, 261, 364-377.	2.0	8
12	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
13	On the quantum and randomized approximation of linear functionals on function spaces. <i>Quantum Information Processing</i> , 2011, 10, 279-296.	2.2	0
14	Optimal adaptive solution of initial-value problems with unknown singularities. <i>Journal of Complexity</i> , 2008, 24, 455-476.	1.3	10
15	Almost optimal solution of initial-value problems by randomized and quantum algorithms. <i>Journal of Complexity</i> , 2006, 22, 676-690.	1.3	43
16	Improved bounds on the randomized and quantum complexity of initial-value problems. <i>Journal of Complexity</i> , 2005, 21, 740-756.	1.3	13
17	Optimal and suboptimal algorithms in set membership identification. <i>Mathematical and Computer Modelling of Dynamical Systems</i> , 2005, 11, 159-169.	2.2	0
18	Asymptotic setting (revisited): analysis of a boundary-value problem and a relation to a classical approximation result. <i>Journal of Complexity</i> , 2004, 20, 796-806.	1.3	3

#	ARTICLE	IF	CITATIONS
19	Randomized and quantum algorithms yield a speed-up for initial-value problems. Journal of Complexity, 2004, 20, 821-834.	1.3	17
20	Weighted Average Errors in Set-Membership Estimation. Mathematics of Control, Signals, and Systems, 2003, 16, 238-253.	2.3	1
21	How to minimize the cost of iterative methods in the presence of perturbations. Journal of Complexity, 2003, 19, 85-99.	1.3	1
22	Complexity of Nonlinear Two-Point Boundary-Value Problems. Journal of Complexity, 2002, 18, 702-738.	1.3	13
23	Optimal Average Case Estimation in Hilbert Norms. Mathematics of Control, Signals, and Systems, 2000, 13, 347-359.	2.3	2
24	Suboptimal conditional estimators for restricted complexity set membership identification. , 1999, , 117-133.		2
25	Worst-case conditional system identification in a general class of norms. Automatica, 1999, 35, 1049-1058.	5.0	15
26	Optimality of Euler-integral information for solving a scalar autonomous ode. BIT Numerical Mathematics, 1983, 23, 217-230.	2.0	9
27	On the optimal error of algorithms for solving a scalar autonomous ode. BIT Numerical Mathematics, 1982, 22, 503-518.	2.0	13
28	Integrals with a Kernel in the Solution of Nonlinear Equations in N Dimensions. Journal of the ACM, 1979, 26, 239-249.	2.2	4
29	An integral-interpolation iterative method for the solution of scalar equations. Numerische Mathematik, 1976, 26, 355-365.	1.9	8