

Arthur G Werschulz

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

127
citations

1307594

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h-index

1281871

11
g-index

25
all docs

25
docs citations

25
times ranked

30
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | What is the complexity of ill-posed problems?. Numerical Functional Analysis and Optimization, 1987, 9, 945-967. | 1.4 | 15 |
| 2 | The Complexity of Definite Elliptic Problems with Noisy Data. Journal of Complexity, 1996, 12, 440-473. | 1.3 | 15 |
| 3 | Are linear algorithms always good for linear problems?. Aequationes Mathematicae, 1986, 31, 202-212. | 0.8 | 13 |
| 4 | Tractability of Multivariate Approximation over \hat{A} Weighted Unanchored Sobolev Space. Constructive Approximation, 2009, 30, 395-421. | 3.0 | 13 |
| 5 | Complexity of differential and integral equations. Journal of Complexity, 1985, 1, 232-255. | 1.3 | 11 |
| 6 | Where does smoothness count the most for Fredholm equations of the second kind with noisy information?. Journal of Complexity, 2003, 19, 758-798. | 1.3 | 10 |
| 7 | The Complexity of Indefinite Elliptic Problems with Noisy Data. Journal of Complexity, 1997, 13, 457-479. | 1.3 | 9 |
| 8 | Finite element methods are not always optimal. Advances in Applied Mathematics, 1987, 8, 354-375. | 0.7 | 7 |
| 9 | On the average case solvability of Ill-posed problems. Journal of Complexity, 1991, 7, 220-224. | 1.3 | 6 |
| 10 | Optimal error properties of finite element methods for second order elliptic Dirichlet problems. Mathematics of Computation, 1982, 38, 401-401. | 2.1 | 5 |
| 11 | Complexity of indefinite elliptic problems. Mathematics of Computation, 1986, 46, 457-477. | 2.1 | 5 |
| 12 | What is the complexity of elliptic systems?. Journal of Approximation Theory, 1985, 45, 69-84. | 0.8 | 4 |
| 13 | Maximal Order and Order of Information for Numerical Quadrature. Journal of the ACM, 1979, 26, 527-537. | 2.2 | 3 |
| 14 | Counterexamples in optimal quadrature. Aequationes Mathematicae, 1985, 29, 183-203. | 0.8 | 2 |
| 15 | Optimal residual algorithms for linear operator equations. Journal of Complexity, 1991, 7, 150-173. | 1.3 | 2 |
| 16 | Where Does Smoothness Count the Most for Two-Point Boundary-Value Problems?. Journal of Complexity, 1999, 15, 360-384. | 1.3 | 2 |
| 17 | What is the complexity of related elliptic, parabolic, and hyperbolic problems?. Mathematics of Computation, 1986, 47, 461-461. | 2.1 | 2 |
| 18 | Optimal order for approximation of derivatives. Journal of Computer and System Sciences, 1979, 18, 213-217. | 1.2 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Optimal algorithms for a problem of optimal control. Journal of Complexity, 1989, 5, 144-181. | 1.3 | 1 |
| 20 | Surface Approximation Is Sometimes Easier than Surface Integration. Constructive Approximation, 2004, 20, 267-302. | 3.0 | 1 |
| 21 | On maximal order for local and global numerical problems. Journal of Computer and System Sciences, 1981, 23, 38-48. | 1.2 | 0 |
| 22 | Average case complexity of elliptic partial differential equations. Journal of Complexity, 1989, 5, 306-330. | 1.3 | 0 |
| 23 | A note on the complexity and tractability of the heat equation. Journal of Complexity, 2007, 23, 553-559. | 1.3 | 0 |
| 24 | Tractability of Approximation for Some Weighted Spaces of Hybrid Smoothness. , 2018, , 1215-1242. | | 0 |
| 25 | Ill-Posed Problems in Various Settings: An Information-Based Survey. , 1990, , . | | 0 |