

J F Traub

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

1,600
citations

687220

13
h-index

1058333

14
g-index

16
all docs

16
docs citations

16
times ranked

526
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Order of One-Point and Multipoint Iteration. Journal of the ACM, 1974, 21, 643-651.	1.8	551
2	On Euclid's Algorithm and the Theory of Subresultants. Journal of the ACM, 1971, 18, 505-514.	1.8	208
3	A Three-Stage Algorithm for Real Polynomials Using Quadratic Iteration. SIAM Journal on Numerical Analysis, 1970, 7, 545-566.	1.1	160
4	A three-stage variable-shift iteration for polynomial zeros and its relation to generalized rayleigh iteration. Numerische Mathematik, 1970, 14, 252-263.	0.9	158
5	Convergence and Complexity of Newton Iteration for Operator Equations. Journal of the ACM, 1979, 26, 250-258.	1.8	103
6	The Algebraic Theory of Matrix Polynomials. SIAM Journal on Numerical Analysis, 1976, 13, 831-845.	1.1	101
7	All Algebraic Functions Can Be Computed Fast. Journal of the ACM, 1978, 25, 245-260.	1.8	80
8	Algorithm 419: zeros of a complex polynomial [C2]. Communications of the ACM, 1972, 15, 97-99.	3.3	66
9	Algorithms for Solvents of Matrix Polynomials. SIAM Journal on Numerical Analysis, 1978, 15, 523-533.	1.1	47
10	Principles for Testing Polynomial Zerofinding Programs. ACM Transactions on Mathematical Software, 1975, 1, 26-34.	1.6	41
11	On the Number of Multiplications for the Evaluation of a Polynomial and Some of Its Derivatives. Journal of the ACM, 1974, 21, 161-167.	1.8	33
12	A class of globally convergent iteration functions for the solution of polynomial equations. Mathematics of Computation, 1966, 20, 113-113.	1.1	29
13	Accelerated Iterative Methods for the Solution of Tridiagonal Systems on Parallel Computers. Journal of the ACM, 1976, 23, 636-654.	1.8	18
14	On the number of multiplications for the evaluation of a polynomial and all its derivatives. , 1972, , .		3
15	Some general observations on Ph.D. production in computer science. SIGCSE Bulletin, 1976, 8, 8-9.	0.1	0