## Bo KÃ¥gstrÃ $\mathfrak{m}$

## List of Publications by Year in descending order

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1 and applications. Part I. ACM Transactions on Mathematical Software, 1993, 19, 160-174.
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Recursive Blocked Algorithms and Hybrid Data Structures for Dense Matrix Library Software. SIAM
4.2 Review, 2004, 46, 3-45.

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4 A Geometric Approach to Perturbation Theory of Matrices and Matrix Pencils. Part I: Versal
Algorithm 784: GEMM-based level 3 BLAS. ACM Transactions on Mathematical Software, 1998, 24,
$303-316$.

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\begin{aligned}
& \text { Stratification of Controllability and Observability Pairsâ€"Theory and Use in Applications. SIAM Journal } \\
& \text { on Matrix Analysis and Applications, 2009, 31, 203-226. }
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$0.7 \quad 12$

Skew-symmetric matrix pencils: Codimension counts and the solution of a pair of matrix equations.
30 Linear Algebra and Its Applications, 2013, 438, 3375-3396.
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Recursive Blocked Algorithms for Solving Periodic Triangular Sylvester-Type Matrix Equations. , 2006,
, 531-539.
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Parallel ScaLAPACK-Style Algorithms for Solving Continuous-Time Sylvester Matrix Equations. Lecture Notes in Computer Science, 2003, , 800-809.

Parallel and Blocked Algorithms for Reduction of a Regular Matrix Pair to Hessenberg-Triangular and Generalized Schur Forms. Lecture Notes in Computer Science, 2002, , 319-328.

| 43 | Canonical Structure Transitions of System Pencils. SIAM Journal on Matrix Analysis and Applications, 2017, 38, 1249-1267. | 0.7 | 4 |
| :---: | :---: | :---: | :---: |
| 44 | Management of Deep Memory Hierarchies â€" Recursive Blocked Algorithms and Hybrid Data Structures for Dense Matrix Computations. Lecture Notes in Computer Science, 2006, , 21-32. | 1.0 | 4 |
| 45 | Parallel Triangular Sylvester-Type Matrix Equation Solvers for SMP Systems Using Recursive Blocking. Lecture Notes in Computer Science, 2001, , 64-73. | 1.0 | 3 |
| 46 | Combining Explicit and Recursive Blocking for Solving Triangular Sylvester-Type Matrix Equations on Distributed Memory Platforms. Lecture Notes in Computer Science, 2004, , 742-750. | 1.0 | 3 |
| 47 | RECSY and SCASY Library Software: Recursive Blocked and Parallel Algorithms for Sylvester-Type Matrix Equations with Some Applications. Springer Optimization and Its Applications, 2009, , 3-24. | 0.6 | 2 |
| 48 | Parallel Algorithms and Condition Estimators for Standard and Generalized Triangular Sylvester-Type Matrix Equations. , 2006, , 127-136. |  | 2 |
| 49 | Chapter 5: StratiGraph Tool: Matrix Stratifications in Control Applications. , 2012, , 79-103. |  | 1 |

