Tommy Elfving

List of Publications by Year in Descending Order

33 papers	2,220 citations	20 h-index	34 g-index
34 ext. papers	2,506 ext. citations	1.8 avg, IF	4.71 L-index

#	Paper	IF	Citations
33	Unmatched Projector/Backprojector Pairs: Perturbation and Convergence Analysis. *SIAM Journal of Scientific Computing*, **2018**, 40, A573-A591	2.6	11
32	Error minimizing relaxation strategies in Landweber and Kaczmarz type iterations. *Journal of Inverse and Ill-Posed Problems*, **2017**, 25,	1.3	6
31	Convergence analysis for column-action methods in image reconstruction. *Numerical Algorithms*, **2017**, 74, 905-924	2.1	9
30	Semi-convergence properties of Kaczmarz method. *Inverse Problems*, **2014**, 30, 055007	2.3	32
29	Semiconvergence and Relaxation Parameters for Projected SIRT Algorithms. *SIAM Journal of Scientific Computing*, **2012**, 34, A2000-A2017	2.6	34
28	A direct method for a regularized least-squares problem. *Numerical Linear Algebra With Applications* , **2009**, 16, 649-675	1.6	1
27	Properties of a class of block-iterative methods. *Inverse Problems*, **2009**, 25, 115011	2.3	21
26	On Diagonally Relaxed Orthogonal Projection Methods. *SIAM Journal of Scientific Computing*, **2008**, 30, 473-504	2.6	84
25	Stopping rules for Landweber-type iteration. *Inverse Problems*, **2007**, 23, 1417-1432	2.3	31
24	A block-preconditioner for a special regularized least-squares problem. *Numerical Linear Algebra With Applications*, **2007**, 14, 469-484	1.6	1
23	The application of an oblique-projected Landweber method to a model of supervised learning. *Mathematical and Computer Modelling*, **2006**, 43, 892-909		31
22	The multiple-sets split feasibility problem and its applications for inverse problems. *Inverse Problems*, **2005**, 21, 2071-2084	2.3	414
21	A projection method for semidefinite linear systems and its applications. *Linear Algebra and Its Applications*, **2004**, 391, 57-73	0.9	6
20	Iterative algorithms with seminorm-induced oblique projections. *Abstract and Applied Analysis*, **2003**, 2003, 387-406	0.7	9
19	Block-Iterative Algorithms with Diagonally Scaled Oblique Projections for the Linear Feasibility Problem. *SIAM Journal on Matrix Analysis and Applications*, **2002**, 24, 40-58	1.5	96
18	A stationary iterative pseudoinverse algorithm. *BIT Numerical Mathematics*, **1998**, 38, 275-282	1.7	7
17	Solution of biharmonic equations with application to radar imaging. *Journal of Computational and Applied Mathematics*, **1998**, 94, 153-180	2.4	29

LIST OF PUBLICATIONS

#	Title		
16	Stability of Conjugate Gradient and Lanczos Methods for Linear Least Squares Problems. *SIAM Journal on Matrix Analysis and Applications*, **1998**, 19, 720-736	1.5	49
15	Best Constrained Approximation in Hilbert Space and Interpolation by Cubic Splines Subject to Obstacles. *SIAM Journal of Scientific Computing*, **1995**, 16, 1209-1232	2.6	9
14	A multiprojection algorithm using Bregman projections in a product space. *Numerical Algorithms*, **1994**, 8, 221-239	2.1	767
13	Interpolation and approximation by monotone cubic splines. *Journal of Approximation Theory*, **1991**, 66, 302-333	0.9	23
12	An algorithm for maximum entropy image reconstruction from noisy data. *Mathematical and Computer Modelling*, **1989**, 12, 729-745		20
11	An Algorithm for Constrained Interpolation. *SIAM Journal on Scientific and Statistical Computing*, **1987**, 8, 1012-1025		19
10	An algorithm for computing constrained smoothing spline functions. *Numerische Mathematik*, **1987**, 52, 583-595	2.2	36
9	Special-Purpose Algorithms for Linearly Constrained Entropy Maximization **1987**, 241-254		3
8	New methods for linear inequalities. *Linear Algebra and Its Applications*, **1982**, 42, 199-211	0.9	51
7	On the Sensitivity of the Gravity Model. *SIAM Journal on Algebraic and Discrete Methods*, **1981**, 2, 19-24		
6	On some methods for entropy maximization and matrix scaling. *Linear Algebra and Its Applications*, **1980**, 34, 321-339	0.9	49
5	Block-iterative methods for consistent and inconsistent linear equations. *Numerische Mathematik*, **1980**, 35, 1-12	2.2	127
4	Quadratic optimization for image reconstruction, II. *Computer Graphics and Image Processing*, **1979**, 11, 242-261		34
3	Accelerated projection methods for computing pseudoinverse solutions of systems of linear equations. *BIT Numerical Mathematics*, **1979**, 19, 145-163	1.7	170
2	Algorithms for confluent Vandermonde systems. *Numerische Mathematik*, **1973**, 21, 130-137	2.2	40
1	Convergence and Semi-Convergence of a Class of Constrained Block Iterative Methods. *Numerical Functional Analysis and Optimization*, 1-29	1	0