Jonathan Eckstein

List of Publications by Year
in descending order

48	3,644	361045	233125
papers	citations	20	45
		h-index	g-index
63	63	63	2273
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Projective splitting with forward steps. Mathematical Programming, 2022, 191, 631-670.	1.6	12
2	Single-forward-step projective splitting: exploiting cocoercivity. Computational Optimization and Applications, 2021, 78, 125-166.	0.9	12
3	Projective splitting with forward steps only requires continuity. Optimization Letters, 2020, 14, 229-247.	0.9	5
4	Deriving solution value bounds from the ADMM. Optimization Letters, 2020, 14, 1289-1303.	0.9	2
5	Relative-error inertial-relaxed inexact versions of Douglas-Rachford and ADMM splitting algorithms. Computational Optimization and Applications, 2020, 75, 389-422.	0.9	27
6	Convergence Rates for Projective Splitting. SIAM Journal on Optimization, 2019, 29, 1931-1957.	1.2	10
7	REPR: Rule-Enhanced Penalized Regression. INFORMS Journal on Optimization, 2019, 1, 143-163.	0.9	5
8	Comments on a Simplified Form of Block-Iterative Operator Splitting, and an Asynchronous Algorithm Resembling the Multi-block Alternating Direction Method of Multipliers. Journal of Optimization Theory and Applications, 2018, 176, 783-785.	0.8	0
9	Asynchronous block-iterative primal-dual decomposition methods for monotone inclusions. Mathematical Programming, 2018, 168, 645-672.	1.6	49
10	Relative-error approximate versions of Douglas–Rachford splitting and special cases of the ADMM. Mathematical Programming, 2018, 170, 417-444.	1.6	40
11	A Simplified Form of Block-Iterative Operator Splitting and an Asynchronous Algorithm Resembling the Multi-Block Alternating Direction Method of Multipliers. Journal of Optimization Theory and Applications, 2017, 173, 155-182.	0.8	23
12	Approximate ADMM algorithms derived from Lagrangian splitting. Computational Optimization and Applications, 2017, 68, 363-405.	0.9	41
13	Multilevel Optimization Modeling for Risk-Averse Stochastic Programming. INFORMS Journal on Computing, 2016, 28, 112-128.	1.0	8
14	PEBBL: an object-oriented framework for scalable parallel branch and bound. Mathematical Programming Computation, 2015, 7, 429-469.	3.2	14
15	A practical relative error criterion for augmented Lagrangians. Mathematical Programming, 2013, 141, 319-348.	1.6	38
16	An Improved Branch-and-Bound Method for Maximum Monomial Agreement. INFORMS Journal on Computing, 2012, 24, 328-341.	1.0	7
17	Sparse weighted voting classifier selection and its linear programming relaxations. Information Processing Letters, 2012, 112, 481-486.	0.4	11
18	Proximal methods for nonlinear programming: double regularization and inexact subproblems. Computational Optimization and Applications, 2010, 46, 279-304.	0.9	6

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19	General Projective Splitting Methods for Sums of Maximal Monotone Operators. SIAM Journal on Control and Optimization, 2009, 48, 787-811.	1.1	65
20	Arrival Rate Approximation by Nonnegative Cubic Splines. Operations Research, 2008, 56, 140-156.	1.2	15
21	Monitoring an Information Source Under a Politeness Constraint. INFORMS Journal on Computing, 2008, 20, 3-20.	1.0	12
22	Pivot, Cut, and Dive: a heuristic for 0-1 mixed integer programming. Journal of Heuristics, 2007, 13, 471-503.	1.1	32
23	A family of projective splitting methods for the sum of two maximal monotone operators. Mathematical Programming, 2007, 111, 173-199.	1.6	52
24	17. Massively Parallel Mixed-Integer Programming: Algorithms and Applications. , 2006, , 323-340.		5
25	Double-Regularization Proximal Methods, with Complementarity Applications. Computational Optimization and Applications, 2006, 33, 115-156.	0.9	9
26	Depth-Optimized Convexity Cuts. Annals of Operations Research, 2005, 139, 95-129.	2.6	2
27	Letters: Teaching Evaluations. Academe, 2004, 90, 3.	0.3	2
28	A practical general approximation criterion for methods of multipliers based on Bregman distances. Mathematical Programming, 2003, 96, 61-86.	1.6	10
29	Scheduling of Data Transcription in Periodically Connected Databases. Stochastic Analysis and Applications, 2003, 21, 1021-1058.	0.9	3
30	YASAI: Yet Another Add-in for Teaching Elementary Monte Carlo Simulation in Excel. INFORMS Transactions on Education, 2002, 2, 12-26.	0.4	11
31	The Maximum Box Problem and its Application to Data Analysis. Computational Optimization and Applications, 2002, 23, 285-298.	0.9	52
32	Rescaling and Stepsize Selection in Proximal Methods Using Separable Generalized Distances. SIAM Journal on Optimization, 2001, 12, 238-261.	1.2	21
33	Pico: An Object-Oriented Framework for Parallel Branch and Bound. Studies in Computational Mathematics, 2001, , 219-265.	0.2	46
34	Smooth methods of multipliers for complementarity problems. Mathematical Programming, 1999, 86, 65-90.	1.6	24
35	Smooth methods of multipliers for complementarity problems. Mathematical Programming, 1999, 86, 65.	1.6	26
36	Approximate iterations in Bregman-function-based proximal algorithms. Mathematical Programming, 1998, 83, 113-123.	1.6	102

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37	Operator-Splitting Methods for Monotone Affine Variational Inequalities, with a Parallel Application to Optimal Control. INFORMS Journal on Computing, 1998, 10, 218-235.	1.0	61
38	How Much Communication Does Parallel Branch and Bound Need?. INFORMS Journal on Computing, 1997, 9, 15-29.	1.0	13
39	Title is missing!. Computational Optimization and Applications, 1997, 7, 199-220.	0.9	15
40	Data-Parallel Implementations of Dense Simplex Methods on the Connection Machine CM-2. ORSA Journal on Computing, 1995, 7, 402-416.	1.7	15
41	Some Saddle-function splitting methods for convex programming. Optimization Methods and Software, 1994, 4, 75-83.	1.6	93
42	Parallel Branch-and-Bound Algorithms for General Mixed Integer Programming on the CM-5. SIAM Journal on Optimization, 1994, 4, 794-814.	1.2	68
43	Some Reformulations and Applications of the Alternating Direction Method of Multipliers. , 1994, , 115-134.		67
44	Nonlinear Proximal Point Algorithms Using Bregman Functions, with Applications to Convex Programming. Mathematics of Operations Research, 1993, 18, 202-226.	0.8	312
45	Stochastic Dedication: Designing Fixed Income Portfolios Using Massively Parallel Benders Decomposition. Management Science, 1993, 39, 1422-1438.	2.4	72
46	The Alternating Step Method for Monotropic Programming on the Connection Machine CM-2. ORSA Journal on Computing, 1993, 5, 84-96.	1.7	23
47	On the Douglas–Rachford splitting method and the proximal point algorithm for maximal monotone operators. Mathematical Programming, 1992, 55, 293-318.	1.6	2,031
48	Dual coordinate step methods for linear network flow problems. Mathematical Programming, 1988, 42, 203-243.	1.6	74