Neculai Andrei

List of Publications by Year
in descending order

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43	1,090	361413	414414
papers	citations	20	32
		h-index	g-index

44	44	44	367
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Scaled conjugate gradient algorithms for unconstrained optimization. Computational Optimization and Applications, 2007, 38, 401-416.	1.6	125
2	An acceleration of gradient descent algorithm with backtracking for unconstrained optimization. Numerical Algorithms, 2006, 42, 63-73.	1.9	66
3	A simple three-term conjugate gradient algorithm for unconstrained optimization. Journal of Computational and Applied Mathematics, 2013, 241, 19-29.	2.0	64
4	Accelerated scaled memoryless BFGS preconditioned conjugate gradient algorithm for unconstrained optimization. European Journal of Operational Research, 2010, 204, 410-420.	5.7	61
5	Scaled memoryless BFGS preconditioned conjugate gradient algorithm for unconstrained optimization. Optimization Methods and Software, 2007, 22, 561-571.	2.4	59
6	A scaled BFGS preconditioned conjugate gradient algorithm for unconstrained optimization. Applied Mathematics Letters, 2007, 20, 645-650.	2.7	57
7	Another hybrid conjugate gradient algorithm for unconstrained optimization. Numerical Algorithms, 2008, 47, 143-156.	1.9	57
8	Acceleration of conjugate gradient algorithms for unconstrained optimization. Applied Mathematics and Computation, 2009, 213, 361-369.	2.2	48
9	On three-term conjugate gradient algorithms for unconstrained optimization. Applied Mathematics and Computation, 2013, 219, 6316-6327.	2.2	46
10	Accelerated hybrid conjugate gradient algorithm with modified secant condition for unconstrained optimization. Numerical Algorithms, 2010, 54, 23-46.	1.9	37
11	A modified Polakâ€“RibiÃ¨reâ€“Polyak conjugate gradient algorithm for unconstrained optimization. Optimization, 2011, 60, 1457-1471.	1.7	37
12	An adaptive conjugate gradient algorithm for large-scale unconstrained optimization. Journal of Computational and Applied Mathematics, 2016, 292, 83-91.	2.0	36
13	A Daiâ€“Yuan conjugate gradient algorithm with sufficient descent and conjugacy conditions for unconstrained optimization. Applied Mathematics Letters, 2008, 21, 165-171.	2.7	33
14	An accelerated subspace minimization three-term conjugate gradient algorithm for unconstrained optimization. Numerical Algorithms, 2014, 65, 859-874.	1.9	31
15	Accelerated adaptive Perry conjugate gradient algorithms based on the self-scaling memoryless BFGS update. Journal of Computational and Applied Mathematics, 2017, 325, 149-164.	2.0	28
16	An adaptive scaled BFGS method for unconstrained optimization. Numerical Algorithms, 2018, 77, 413-432.	1.9	28
17	A Dai-Liao conjugate gradient algorithm with clustering of eigenvalues. Numerical Algorithms, 2018, 77, 1273-1282.	1.9	28
18	Another Conjugate Gradient Algorithm with Guaranteed Descent and Conjugacy Conditions for Large-scale Unconstrained Optimization. Journal of Optimization Theory and Applications, 2013, 159, 159-182.	1.5	26

#	Article	IF	Citations
19	Accelerated conjugate gradient algorithm with finite difference Hessian/vector product approximation for unconstrained optimization. Journal of Computational and Applied Mathematics, 2009, 230, 570-582.	2.0	24
20	A scaled nonlinear conjugate gradient algorithm for unconstrained optimization. Optimization, 2008, 57, 549-570.	1.7	22
21	New accelerated conjugate gradient algorithms as a modification of Daiâ€“Yuanâ€™s computational scheme for unconstrained optimization. Journal of Computational and Applied Mathematics, 2010, 234, 3397-3410.	2.0	22
22	A new three-term conjugate gradient algorithm for unconstrained optimization. Numerical Algorithms, 2015, 68, 305-321.	1.9	19
23	Continuous Nonlinear Optimization for Engineering Applications in GAMS Technology. Springer Optimization and Its Applications, 2017, , .	0.9	19
24	A double parameter scaled BFGS method for unconstrained optimization. Journal of Computational and Applied Mathematics, 2018, 332, 26-44.	2.0	19
25	Another nonlinear conjugate gradient algorithm for unconstrained optimization. Optimization Methods and Software, 2009, 24, 89-104.	2.4	15
26	A diagonal quasi-Newton updating method for unconstrained optimization. Numerical Algorithms, 2019, 81, 575-590.	1.9	14
27	Eigenvalues versus singular values study in conjugate gradient algorithms for large-scale unconstrained optimization. Optimization Methods and Software, 2017, 32, 534-551.	2.4	13
28	A Double-Parameter Scaling Broydenâ€“Fletcherâ€“Goldfarbâ€“Shanno Method Based on Minimizing the Measure Function of Byrd and Nocedal for Unconstrained Optimization. Journal of Optimization Theory and Applications, 2018, 178, 191-218.	1.5	7
29	A diagonal quasi-Newton updating method based on minimizing the measure function of Byrd and Nocedal for unconstrained optimization. Optimization, 2018, 67, 1553-1568.	1.7	7
30	Diagonal Approximation of the Hessian by Finite Differences for Unconstrained Optimization. Journal of Optimization Theory and Applications, 2020, 185, 859-879.	1.5	7
31	Performance Profiles of Conjugate-Gradient Algorithms for Unconstrained Optimization. , 2008, , 2938-2953.		6
32	A New Diagonal Quasi-Newton Updating Method With Scaled Forward Finite Differences Directional Derivative for Unconstrained Optimization. Numerical Functional Analysis and Optimization, 2019, 40, 1467-1488.	1.4	6
33	A new accelerated diagonal quasi-Newton updating method with scaled forward finite differences directional derivative for unconstrained optimization. Optimization, 2021, 70, 345-360.	1.7	5
34	A note on memory-less SR1 and memory-less BFGS methods for large-scale unconstrained optimization. Numerical Algorithms, 2022, 90, 223-240.	1.9	5
35	New conjugate gradient algorithms based on self-scaling memoryless Broydenâ€“Fletcherâ€“Goldfarbâ€“Shanno method. Calcolo, 2020, 57, 1.	1.1	4
36	A double parameter self-scaling memoryless BFGS method for unconstrained optimization. Computational and Applied Mathematics, 2020, 39, 1.	2.2	4

#	Article	IF	Citations
37	An accelerated conjugate gradient algorithm with guaranteed descent and conjugacy conditions for unconstrained optimization. Optimization Methods and Software, 2012, 27, 583-604.	2.4	3
38	Accelerated memory-less SR1 method with generalized secant equation for unconstrained optimization. Calcolo, 2022, 59, 1.	1.1	2
39	A New Adaptive Conjugate Gradient Algorithm for Large-Scale Unconstrained Optimization. Springer Optimization and Its Applications, 2016, , 1-16.	0.9	0
40	Numerical Studies: Comparisons. Springer Optimization and Its Applications, 2017, , 437-447.	0.9	0
41	Mathematical Modeling Using Algebraic Oriented Languages for Nonlinear Optimization. Springer Optimization and Its Applications, 2017, , 19-27.	0.9	0
42	Introduction to GAMS Technology. Springer Optimization and Its Applications, 2017, , 29-45.	0.9	0
43	Simple Bound Constraints Optimization. Springer Optimization and Its Applications, 2017, , 147-184.	0.9	0