

Stephen C Billups

List of Publications by Year in descending order

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24
papers

858
citations

758635

12
h-index

713013

21
g-index

24
all docs

24
docs citations

24
times ranked

501
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic System Diversification for Securing Cloud-based IoT Subnetworks. <i>ACM Transactions on Autonomous and Adaptive Systems</i> , 2022, 17, 1-23.	0.4	0
2	ProxECAT: Proxy External Controls Association Test. A new case-control gene region association test using allele frequencies from public controls. <i>PLoS Genetics</i> , 2018, 14, e1007591.	1.5	23
3	MDTri: robust and efficient global mixed integer search of spaces of multiple ternary alloys. <i>Computational Optimization and Applications</i> , 2017, 68, 671-687.	0.9	2
4	Stochastic derivative-free optimization using a trust region framework. <i>Computational Optimization and Applications</i> , 2016, 64, 619-645.	0.9	26
5	Derivative-Free Optimization of Expensive Functions with Computational Error Using Weighted Regression. <i>SIAM Journal on Optimization</i> , 2013, 23, 27-53.	1.2	26
6	Solving the canonical dual of box- and integer-constrained nonconvex quadratic programs via a deterministic direct search algorithm. <i>Optimization Methods and Software</i> , 2013, 28, 313-326.	1.6	17
7	A Globally Convergent Probability-One Homotopy for Linear Programs with Linear Complementarity Constraints. <i>SIAM Journal on Optimization</i> , 2013, 23, 1167-1188.	1.2	3
8	Identifying significant temporal variation in time course microarray data without replicates. <i>BMC Bioinformatics</i> , 2009, 10, 96.	1.2	12
9	Probability-one homotopy maps for mixed complementarity problems. <i>Computational Optimization and Applications</i> , 2008, 41, 363-375.	0.9	10
10	Title is missing!. <i>Applied Numerical Mathematics</i> , 2005, 54, 105-106.	1.2	0
11	A Dynamic Model of Differential Human Capital and Criminal Activity. <i>Economica</i> , 2005, 72, 655-681.	0.9	84
12	An iterative method for generalized set-valued nonlinear mixed quasi-variational inequalities. <i>Journal of Computational and Applied Mathematics</i> , 2004, 170, 423-432.	1.1	12
13	Minimum-Support Solutions for Radiotherapy Planning. <i>Annals of Operations Research</i> , 2003, 119, 229-245.	2.6	4
14	A Homotopy-Based Algorithm for Mixed Complementarity Problems. <i>SIAM Journal on Optimization</i> , 2002, 12, 583-605.	1.2	21
15	A Probability-One Homotopy Algorithm for Nonsmooth Equations and Mixed Complementarity Problems. <i>SIAM Journal on Optimization</i> , 2002, 12, 606-626.	1.2	15
16	Nonmonotone Path Following Methods for Nonsmooth Equations and Complementarity Problems. <i>Applied Optimization</i> , 2001, , 19-41.	0.4	4
17	Complementarity problems. <i>Journal of Computational and Applied Mathematics</i> , 2000, 124, 303-318.	1.1	99
18	Improving the robustness of descent-based methods for semismooth equations using proximal perturbations. <i>Mathematical Programming</i> , 2000, 87, 153-175.	1.6	7

#	ARTICLE	IF	CITATIONS
19	Solutions to Affine Generalized Equations Using Proximal Mappings. Mathematics of Operations Research, 1999, 24, 219-236.	0.8	4
20	A Comparison of Large Scale Mixed Complementarity Problem Solvers. Computational Optimization and Applications, 1997, 7, 3-25.	0.9	89
21	QPCOMP: A quadratic programming based solver for mixed complementarity problems. Mathematical Programming, 1997, 76, 533-562.	1.6	34
22	A Comparison of Large Scale Mixed Complementarity Problem Solvers. , 1997, , 3-25.		7
23	Convergence of an Infeasible Interior-Point Algorithm from Arbitrary Positive Starting Points. SIAM Journal on Optimization, 1996, 6, 316-325.	1.2	8
24	Algorithm 652. ACM Transactions on Mathematical Software, 1987, 13, 281-310.	1.6	351