

Chong Li

List of Publications by Year in descending order

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115
papers

2,280
citations

201385

27
h-index

276539

41
g-index

115
all docs

115
docs citations

115
times ranked

501
citing authors

#	ARTICLE	IF	CITATIONS
1	Monotone vector fields and the proximal point algorithm on Hadamard manifolds. <i>Journal of the London Mathematical Society</i> , 2009, 79, 663-683.	0.5	206
2	Constraint Qualifications for Convex Inequality Systems with Applications in Constrained Optimization. <i>SIAM Journal on Optimization</i> , 2008, 19, 163-187.	1.2	101
3	Existence of solutions for variational inequalities on Riemannian manifolds. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009, 71, 5695-5706.	0.6	83
4	Weak Sharp Minima on Riemannian Manifolds. <i>SIAM Journal on Optimization</i> , 2011, 21, 1523-1560.	1.2	79
5	Variational Inequalities for Set-Valued Vector Fields on Riemannian Manifolds: Convexity of the Solution Set and the Proximal Point Algorithm. <i>SIAM Journal on Control and Optimization</i> , 2012, 50, 2486-2514.	1.1	74
6	Resolvents of Set-Valued Monotone Vector Fields in Hadamard Manifolds. <i>Set-Valued and Variational Analysis</i> , 2011, 19, 361-383.	0.5	67
7	Linear Regularity and Linear Convergence of Projection-Based Methods for Solving Convex Feasibility Problems. <i>Applied Mathematics and Optimization</i> , 2018, 78, 613-641.	0.8	63
8	Newton's method on Riemannian manifolds: Smale's point estimate theory under the $\hat{\Gamma}^3$ -condition. <i>IMA Journal of Numerical Analysis</i> , 2006, 26, 228-251.	1.5	62
9	The SECO, Linear Regularity, and the Strong CHIP for an Infinite System of Closed Convex Sets in Normed Linear Spaces. <i>SIAM Journal on Optimization</i> , 2007, 18, 643-665.	1.2	51
10	Majorizing Functions and Convergence of the Gauss-Newton Method for Convex Composite Optimization. <i>SIAM Journal on Optimization</i> , 2007, 18, 613-642.	1.2	50
11	Linear convergence of CQ algorithms and applications in gene regulatory network inference. <i>Inverse Problems</i> , 2017, 33, 055017.	1.0	44
12	Newton's method for sections on Riemannian manifolds: Generalized covariant $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co$	0.7	41
13	Convergence and uniqueness properties of Gauss-Newton's method. <i>Computers and Mathematics With Applications</i> , 2004, 47, 1057-1067.	1.4	40
14	On Constraint Qualification for an Infinite System of Convex Inequalities in a Banach Space. <i>SIAM Journal on Optimization</i> , 2005, 15, 488-512.	1.2	39
15	Convergence of the family of the deformed Euler-Halley iterations under the H \ddot{a} lder condition of the second derivative. <i>Journal of Computational and Applied Mathematics</i> , 2006, 194, 294-308.	1.1	39
16	Convergence of Newton's Method and Uniqueness of the Solution of Equations in Banach Spaces II. <i>Acta Mathematica Sinica, English Series</i> , 2003, 19, 405-412.	0.2	38
17	Constraint Qualification, the Strong CHIP, and Best Approximation with Convex Constraints in Banach Spaces. <i>SIAM Journal on Optimization</i> , 2003, 14, 584-607.	1.2	37
18	Stable and Total Fenchel Duality for Convex Optimization Problems in Locally Convex Spaces. <i>SIAM Journal on Optimization</i> , 2009, 20, 1032-1051.	1.2	36

#	ARTICLE	IF	CITATIONS
19	Convergence behavior of Gauss-Newton's method and extensions of the Smale point estimate theory. <i>Journal of Complexity</i> , 2010, 26, 268-295.	0.7	35
20	Convergence criterion of Newton's method for singular systems with constant rank derivatives. <i>Journal of Mathematical Analysis and Applications</i> , 2008, 345, 689-701.	0.5	34
21	On Convergence Rates of Linearized Proximal Algorithms for Convex Composite Optimization with Applications. <i>SIAM Journal on Optimization</i> , 2016, 26, 1207-1235.	1.2	34
22	On Best Simultaneous Approximation. <i>Journal of Approximation Theory</i> , 1997, 91, 332-348.	0.5	33
23	Kantorovich-type convergence criterion for inexact Newton methods. <i>Applied Numerical Mathematics</i> , 2009, 59, 1599-1611.	1.2	32
24	Derivatives of Generalized Distance Functions and Existence of Generalized Nearest Points. <i>Journal of Approximation Theory</i> , 2002, 115, 44-55.	0.5	31
25	On convergence of the Gauss-Newton method for convex composite optimization. <i>Mathematical Programming</i> , 2002, 91, 349-356.	1.6	29
26	Convergence analysis of inexact proximal point algorithms on Hadamard manifolds. <i>Journal of Global Optimization</i> , 2015, 61, 553-573.	1.1	29
27	Proximal Point Algorithms on Hadamard Manifolds: Linear Convergence and Finite Termination. <i>SIAM Journal on Optimization</i> , 2016, 26, 2696-2729.	1.2	29
28	On Well Posed Generalized Best Approximation Problems. <i>Journal of Approximation Theory</i> , 2000, 107, 96-108.	0.5	27
29	Convergence of the variants of the Chebyshev-Halley iteration family under the Hölder condition of the first derivative. <i>Journal of Computational and Applied Mathematics</i> , 2007, 203, 279-288.	1.1	27
30	Nonlinearly Constrained Best Approximation in Hilbert Spaces: The Strong CHIP and the Basic Constraint Qualification. <i>SIAM Journal on Optimization</i> , 2002, 13, 228-239.	1.2	26
31	Convergence of the Newton method and uniqueness of zeros of vector fields on Riemannian manifolds. <i>Science in China Series A: Mathematics</i> , 2005, 48, 1465.	0.5	26
32	Local and global behavior for algorithms of solving equations. <i>Science Bulletin</i> , 2001, 46, 441-447.	1.7	25
33	Uniqueness of the singular points of vector fields on Riemannian manifolds under the Hölder condition of the first derivative. <i>Journal of Computational and Applied Mathematics</i> , 2007, 203, 279-288.	0.7	24
34	Local convergence of inexact methods under the Hölder condition. <i>Journal of Computational and Applied Mathematics</i> , 2008, 222, 544-560.	1.1	24
35	Smale's point estimate theory for Newton's method on Lie groups. <i>Journal of Complexity</i> , 2009, 25, 128-151.	0.7	24
36	Strong CHIP for Infinite System of Closed Convex Sets in Normed Linear Spaces. <i>SIAM Journal on Optimization</i> , 2005, 16, 311-340.	1.2	23

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37	Linear Convergence of Subgradient Algorithm for Convex Feasibility on Riemannian Manifolds. SIAM Journal on Optimization, 2015, 25, 2334-2358.	1.2	23
38	Newton's Method for Underdetermined Systems of Equations Under the $\hat{\beta}$ -Condition. Numerical Functional Analysis and Optimization, 2007, 28, 663-679.	0.6	20
39	Well-posedness of a class of perturbed optimization problems in Banach spaces. Journal of Mathematical Analysis and Applications, 2008, 346, 384-394.	0.5	19
40	Approximate Gauss-Newton methods for solving underdetermined nonlinear least squares problems. Applied Numerical Mathematics, 2017, 111, 92-110.	1.2	19
41	On Mutually Nearest and Mutually Furthest Points in Reflexive Banach Spaces. Journal of Approximation Theory, 2000, 103, 1-17.	0.5	18
42	Kantorovich's theorems for Newton's method for mappings and optimization problems on Lie groups. IMA Journal of Numerical Analysis, 2011, 31, 322-347.	1.5	18
43	EXTENDED NEWTON'S METHOD FOR MAPPINGS ON RIEMANNIAN MANIFOLDS WITH VALUES IN A CONE. Taiwanese Journal of Mathematics, 2009, 13, .	0.2	18
44	Best simultaneous approximation of an infinite set of functions. Computers and Mathematics With Applications, 1999, 37, 1-9.	1.4	17
45	What Do ϵ -Convexities Imply on Hadamard Manifolds?. Journal of Optimization Theory and Applications, 2016, 170, 1068-1074.	0.8	17
46	Extended Newton Methods for Multiobjective Optimization: Majorizing Function Technique and Convergence Analysis. SIAM Journal on Optimization, 2019, 29, 2388-2421.	1.2	17
47	A class of best simultaneous approximation problems. Computers and Mathematics With Applications, 1996, 31, 45-53.	1.4	16
48	Smale's $\hat{\beta}$ -theory for inexact Newton methods under the $\hat{\beta}$ -condition. Journal of Mathematical Analysis and Applications, 2010, 369, 29-42.	0.5	16
49	On Best Approximation by Nonconvex Sets and Perturbation of Nonconvex Inequality Systems in Hilbert Spaces. SIAM Journal on Optimization, 2002, 13, 726-744.	1.2	15
50	CONVERGENCE OF THE FAMILY OF EULER-HALLEY TYPE METHODS ON RIEMANNIAN MANIFOLDS UNDER THE $\hat{\beta}$ -CONDITION. Taiwanese Journal of Mathematics, 2009, 13, .	0.2	15
51	Quasi-Slater and Farkas-Minkowski Qualifications for Semi-infinite Programming with Applications. SIAM Journal on Optimization, 2013, 23, 2208-2230.	1.2	14
52	Porosity of perturbed optimization problems in Banach spaces. Journal of Mathematical Analysis and Applications, 2006, 324, 751-761.	0.5	13
53	Equilibrium problems on Riemannian manifolds with applications. Journal of Mathematical Analysis and Applications, 2019, 473, 866-891.	0.5	13
54	Title is missing!. BIT Numerical Mathematics, 2002, 42, 206-213.	1.0	12

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55	Porosity of mutually nearest and mutually furthest points in Banach spaces. <i>Journal of Approximation Theory</i> , 2003, 125, 10-25.	0.5	12
56	Gauss-Newton method for convex composite optimizations on Riemannian manifolds. <i>Journal of Global Optimization</i> , 2012, 53, 5-28.	1.1	12
57	On nonlinear simultaneous Chebyshev approximation problems. <i>Journal of Mathematical Analysis and Applications</i> , 2003, 288, 167-181.	0.5	11
58	Kantorovich's type theorems for systems of equations with constant rank derivatives. <i>Journal of Computational and Applied Mathematics</i> , 2008, 219, 110-122.	1.1	11
59	The Bregman distance, approximate compactness and convexity of Chebyshev sets in Banach spaces. <i>Journal of Approximation Theory</i> , 2010, 162, 1128-1149.	0.5	11
60	Subdifferential Calculus Rules for Supremum Functions in Convex Analysis. <i>SIAM Journal on Optimization</i> , 2011, 21, 782-797.	1.2	11
61	Almost Chebyshev set with respect to bounded subsets. <i>Science in China Series A: Mathematics</i> , 1997, 40, 375-383.	0.5	10
62	CONVERGENCE CRITERION OF INEXACT METHODS FOR OPERATORS WITH HÖLDER CONTINUOUS DERIVATIVES. <i>Taiwanese Journal of Mathematics</i> , 2008, 12, .	0.2	10
63	Subdifferentials of perturbed distance functions in Banach spaces. <i>Journal of Global Optimization</i> , 2010, 46, 489-501.	1.1	10
64	A new linear convergence result for the iterative soft thresholding algorithm. <i>Optimization</i> , 2017, 66, 1177-1189.	1.0	10
65	Characterization and uniqueness of nonlinear uniform approximation. <i>Proceedings of the Edinburgh Mathematical Society</i> , 1997, 40, 473-482.	0.2	9
66	On well posedness of best simultaneous approximation problems in Banach spaces. <i>Science in China Series A: Mathematics</i> , 2001, 44, 1558-1570.	0.5	9
67	On Best Approximations from RS -sets in Complex Banach Spaces. <i>Acta Mathematica Sinica, English Series</i> , 2005, 21, 31-38.	0.2	9
68	On Some Basic Results Related to Affine Functions on Riemannian Manifolds. <i>Journal of Optimization Theory and Applications</i> , 2016, 170, 783-803.	0.8	9
69	On best uniform restricted range approximation in complex-valued continuous function spaces. <i>Journal of Approximation Theory</i> , 2003, 120, 71-84.	0.5	8
70	On Well-posed Mutually Nearest and Mutually Furthest Point Problems in Banach Spaces. <i>Acta Mathematica Sinica, English Series</i> , 2004, 20, 147-156.	0.2	8
71	Existence and porosity for a class of perturbed optimization problems in Banach spaces. <i>Journal of Mathematical Analysis and Applications</i> , 2007, 325, 987-1002.	0.5	8
72	Limiting subdifferentials of perturbed distance functions in Banach spaces. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2012, 75, 1483-1495.	0.6	8

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91	Convergence of a Ulm-like method for square inverse singular value problems with multiple and zero singular values. <i>Numerical Algorithms</i> , 2018, 79, 375-398.	1.1	4
92	The Existence of Solutions of Elliptic Equations with Neumann Boundary Condition for Superlinear Problems. <i>Acta Mathematica Sinica, English Series</i> , 2004, 20, 965-976.	0.2	3
93	An improved OPDT model in high angular resolution diffusion imaging. <i>Journal of Mathematical Imaging and Vision</i> , 2014, 48, 385-395.	0.8	3
94	Porosity results on fixed points for nonexpansive set-valued maps in hyperbolic spaces. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 428, 989-1004.	0.5	3
95	Quantitative Analysis for Perturbed Abstract Inequality Systems in Banach Spaces. <i>SIAM Journal on Optimization</i> , 2018, 28, 2872-2901.	1.2	3
96	Weak Sharp Minima for Convex Infinite Optimization Problems in Normed Linear Spaces. <i>SIAM Journal on Optimization</i> , 2018, 28, 1999-2021.	1.2	3
97	Ambiguous loci of mutually nearest and mutually furthest points in Banach spaces. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2004, 58, 367-377.	0.6	2
98	Restricted p-Centers for Sets in Real Locally Convex Spaces. <i>Numerical Functional Analysis and Optimization</i> , 2005, 26, 407-426.	0.6	2
99	Uniqueness of simultaneous approximations in continuous function spaces. <i>Applied Mathematics Letters</i> , 2008, 21, 383-387.	1.5	2
100	Best simultaneous approximation to totally bounded sequences in Banach spaces. <i>Acta Mathematica Sinica, English Series</i> , 2008, 24, 1541-1554.	0.2	2
101	Comments on: Farkas's lemma: three decades of generalizations for mathematical optimization. <i>Top</i> , 2014, 22, 23-26.	1.1	2
102	Subdifferential regularities of perturbed distance functions outside the target set in Banach spaces. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2014, 108, 173-188.	0.6	2
103	Existence of best simultaneous approximations in $L_p(S, \mathcal{L}, X)$ without the RNP assumption. <i>Science China Mathematics</i> , 2015, 58, 813-820.	0.8	2
104	The FM and BCQ Qualifications for Inequality Systems of Convex Functions in Normed Linear Spaces. <i>SIAM Journal on Optimization</i> , 2021, 31, 1410-1432.	1.2	2
105	Generalized derivatives of distance functions and the existence of nearest points. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009, 70, 2575-2581.	0.6	1
106	Generalized linking theorem with applications to nonautonomous Hamiltonian systems and Dirac equations on compact spin manifold. <i>Communications in Contemporary Mathematics</i> , 2021, 23, 2050016.	0.6	1
107	NONLINEAR SIMULTANEOUS APPROXIMATION IN COMPLETE LATTICE BANACH SPACES. <i>Taiwanese Journal of Mathematics</i> , 2008, 12, .	0.2	1
108	On Nonlinear Coapproximation in Banach Spaces. <i>Analysis in Theory and Applications</i> , 2001, 17, 54-63.	0.0	0

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109	On Basic Constraint Qualifications for Infinite System of Convex Inequalities in Banach Spaces. Acta Mathematica Sinica, English Series, 2007, 23, 65-76.	0.2	0
110	Limit theory of restricted range approximations of complex-valued continuous functions. Science in China Series A: Mathematics, 2007, 50, 1427-1440.	0.5	0
111	Variational Analysis, Optimization, and Fixed Point Theory 2014. Abstract and Applied Analysis, 2015, 2015, 1-2.	0.3	0
112	On nonlinear simultaneous approximation problems. Applicable Analysis, 2015, 94, 24-43.	0.6	0
113	Local convergence of Newton's method on the Heisenberg group. Journal of Computational and Applied Mathematics, 2016, 300, 217-232.	1.1	0
114	Convexity of generalized proximal sets in Banach spaces. Optimization, 2018, 67, 1535-1551.	1.0	0
115	Error Bounds for Approximate Solutions of Abstract Inequality Systems and Infinite Systems of Inequalities on Banach Spaces. Set-Valued and Variational Analysis, 2020, , 1.	0.5	0