

# Changzhi Wu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3485443/publications.pdf>

Version: 2024-02-01

96  
papers

2,222  
citations

185998

28  
h-index

243296

44  
g-index

96  
all docs

96  
docs citations

96  
times ranked

1939  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Smoothing Method for Ramp Metering. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13358-13371.	4.7	0
2	Distributionally robust ramp metering under traffic demand uncertainty. Transportmetrica B, 2022, 10, 652-666.	1.4	4
3	Multi-objective stochastic project scheduling with alternative execution methods: An improved quantum-behaved particle swarm optimization approach. Expert Systems With Applications, 2022, 203, 117029.	4.4	11
4	Perimeter Control With State-Dependent Delays: Optimal Control Model and Computational Method. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-14.	4.7	1
5	D.C. programming for sparse proximal support vector machines. Information Sciences, 2021, 547, 187-201.	4.0	21
6	B2C online ride-hailing pricing and service optimization under competitions. Journal of Industrial and Management Optimization, 2021, .	0.8	1
7	Dynamic reward and penalty strategies of green building construction incentive: an evolutionary game theory-based analysis. Environmental Science and Pollution Research, 2021, 28, 44902-44915.	2.7	52
8	Robust truncated L <sub>2</sub> -norm twin support vector machine. International Journal of Machine Learning and Cybernetics, 2021, 12, 3415-3436.	2.3	5
9	Cooperation performance of multi-organisations operating in a sharing economy: game theory with agent-based modelling. International Journal of Production Research, 2020, 58, 7044-7057.	4.9	14
10	Interorganizational Diffusion of Prefabricated Construction Technology: Two-Stage Evolution Framework. Journal of Construction Engineering and Management - ASCE, 2020, 146, 04020114.	2.0	16
11	Design of optimal utility of wireless rechargeable sensor networks via joint spatiotemporal scheduling. Applied Mathematical Modelling, 2020, 86, 54-73.	2.2	7
12	Spatiotemporal charging scheduling in wireless rechargeable sensor networks. Computer Communications, 2020, 152, 155-170.	3.1	42
13	Construction project scheduling under workspace interference. Computer-Aided Civil and Infrastructure Engineering, 2020, 35, 923-946.	6.3	13
14	Robust identification of nonlinear state-dependent impulsive switched system with switching duration constraints. Nonlinear Analysis: Hybrid Systems, 2020, 36, 100879.	2.1	9
15	Improved Cuckoo Search algorithm for numerical function optimization. Journal of Industrial and Management Optimization, 2020, 16, 103-115.	0.8	0
16	Determination of fractional pixel location via an optimal group delay estimation approach. Signal, Image and Video Processing, 2019, 13, 1477-1485.	1.7	0
17	Differential received signal strength based RFID positioning for construction equipment tracking. Advanced Engineering Informatics, 2019, 42, 100960.	4.0	114
18	Bayesian network approach to fault diagnosis of a hydroelectric generation system. Energy Science and Engineering, 2019, 7, 1669-1677.	1.9	21

#	ARTICLE	IF	CITATIONS
19	Manufacturersâ€™ Green Decision Evolution Based on Multi-Agent Modeling. Complexity, 2019, 2019, 1-14.	0.9	2
20	An overview of corrosion defect characterization using active infrared thermography. Infrared Physics and Technology, 2019, 96, 366-389.	1.3	132
21	Joint-Venture Contractor Selection Using Competitive and Collaborative Criteria with Uncertainty. Journal of Construction Engineering and Management - ASCE, 2019, 145, .	2.0	22
22	Practical algorithm for stochastic optimal control problem about microbial fermentation in batch culture. Optimization Letters, 2019, 13, 527-541.	0.9	50
23	Spatial Signal Attenuation Model of Active RFID Tags. IEEE Access, 2018, 6, 6947-6960.	2.6	3
24	Fast-slow dynamics of a hydropower generation system with multi-time scales. Mechanical Systems and Signal Processing, 2018, 110, 458-468.	4.4	28
25	RFID-Aided Tracking System to Improve Work Efficiency of Scaffold Supplier: Stock Management in Australasian Supply Chain. Journal of Construction Engineering and Management - ASCE, 2018, 144, .	2.0	30
26	Editorial of Dynamical Systems, Control and Optimization. Differential Equations and Dynamical Systems, 2018, 26, 1-1.	0.5	1
27	Space-Time Repetitive Project Scheduling Considering Location and Congestion. Journal of Computing in Civil Engineering, 2018, 32, .	2.5	28
28	Stochastic mirror descent method for distributed multi-agent optimization. Optimization Letters, 2018, 12, 1179-1197.	0.9	20
29	Dynamics analysis of the fast-slow hydro-turbine governing system with different time-scale coupling. Communications in Nonlinear Science and Numerical Simulation, 2018, 54, 136-147.	1.7	49
30	Stochastic Project Scheduling with Hierarchical Alternatives. Applied Mathematical Modelling, 2018, 58, 181-202.	2.2	31
31	Sparsity-promoting distributed charging control for plug-in electric vehicles over distribution networks. Applied Mathematical Modelling, 2018, 58, 111-127.	2.2	20
32	Complexity of Construction Mega Infrastructure Project. Complexity, 2018, 2018, 1-1.	0.9	1
33	Accelerated Sampling Optimization for RF Energy Harvesting Wireless Sensor Network. IEEE Access, 2018, 6, 52161-52168.	2.6	2
34	Optimal Joint Design of Discrete Fractional Fourier Transform Matrices and Mask Coefficients for Multichannel Filtering in Fractional Fourier Domains. IEEE Transactions on Signal Processing, 2018, 66, 6016-6030.	3.2	7
35	A Prototype Tool of Optimal Wireless Sensor Placement for Structural Health Monitoring. Lecture Notes in Computer Science, 2018, , 53-73.	1.0	1
36	Multi-Criterion Two-Sided Matching of Publicâ€“Private Partnership Infrastructure Projects: Criteria and Methods. Sustainability, 2018, 10, 1178.	1.6	22

#	ARTICLE	IF	CITATIONS
37	Decomposition-based multi-objective firefly algorithm for RFID network planning with uncertainty. <i>Applied Soft Computing Journal</i> , 2017, 55, 549-564.	4.1	69
38	Dynamic modeling and dynamical analysis of pump-turbines in S-shaped regions during runaway operation. <i>Energy Conversion and Management</i> , 2017, 138, 375-382.	4.4	79
39	Excitation Current Analysis of a Hydropower Station Model Considering Complex Water Diversion Pipes. <i>Journal of Energy Engineering - ASCE</i> , 2017, 143, .	1.0	6
40	Case Study of Selecting Decision-Making Schemes in Large-Scale Infrastructure Projects. <i>Journal of Infrastructure Systems</i> , 2017, 23, .	1.0	18
41	Maximizing lifetime of a wireless sensor network via joint optimizing sink placement and sensor-to-sink routing. <i>Applied Mathematical Modelling</i> , 2017, 49, 319-337.	2.2	32
42	Ejector performance prediction at critical and subcritical operational modes. <i>Applied Thermal Engineering</i> , 2017, 115, 444-454.	3.0	37
43	Reference tag supported RFID tracking using robust support vector regression and Kalman filter. <i>Advanced Engineering Informatics</i> , 2017, 32, 1-10.	4.0	47
44	Scaffolding progress monitoring of LNG plant maintenance project using BIM and image processing technologies. , 2017, , .		1
45	A modified quasisecant method for global optimization. <i>Applied Mathematical Modelling</i> , 2017, 51, 21-37.	2.2	3
46	Sensitivity analysis of a Pelton hydropower station based on a novel approach of turbine torque. <i>Energy Conversion and Management</i> , 2017, 148, 785-800.	4.4	36
47	Discrete Firefly Algorithm for Scaffolding Construction Scheduling. <i>Journal of Computing in Civil Engineering</i> , 2017, 31, .	2.5	21
48	Hamiltonian analysis of a hydro-energy generation system in the transient of sudden load increasing. <i>Applied Energy</i> , 2017, 185, 244-253.	5.1	98
49	The slow-fast dynamical behaviors of a hydro-turbine governing system under periodic excitations. <i>Nonlinear Dynamics</i> , 2017, 87, 2519-2528.	2.7	32
50	A nonsmooth equation system solver based on subgradient method. , 2017, , .		0
51	Spatial Signal Attenuation Model of Active RFID Tags. , 2017, , .		2
52	Distributed Optimization Methods for Nonconvex Problems with Inequality Constraints over Time-Varying Networks. <i>Complexity</i> , 2017, 2017, 1-10.	0.9	5
53	Performance Predictions of Dry and Wet Vapors Ejectors Over Entire Operational Range. <i>Energies</i> , 2017, 10, 1012.	1.6	4
54	Nonlinear modelling and stability analysis of the PTGS at pump mode. <i>IET Renewable Power Generation</i> , 2017, 11, 827-836.	1.7	13

#	ARTICLE	IF	CITATIONS
55	Incremental gradient-free method for nonsmooth distributed optimization. Journal of Industrial and Management Optimization, 2017, 13, 1841-1857.	0.8	1
56	Bidding Strategy to Support Decision-Making Based on Comprehensive Information in Construction Projects. Discrete Dynamics in Nature and Society, 2016, 2016, 1-15.	0.5	6
57	A Binary differential search algorithm for the 0-1 multidimensional knapsack problem. Applied Mathematical Modelling, 2016, 40, 9788-9805.	2.2	48
58	Automatic as-built modeling for concurrent progress tracking of plant construction based on laser scanning. Concurrent Engineering Research and Applications, 2016, 24, 369-380.	2.0	16
59	Sparsity-enhanced optimization for ejector performance prediction. Energy, 2016, 113, 25-34.	4.5	12
60	A hybrid approach to constrained global optimization. Applied Soft Computing Journal, 2016, 47, 281-294.	4.1	16
61	An exact penalty function-based differential search algorithm for constrained global optimization. Soft Computing, 2016, 20, 1305-1313.	2.1	99
62	Design of Nonuniform Transmultiplexers with Block Samplers and Single-Input Single-Output Linear Time-Invariant Filters Based on Perfect Reconstruction Condition. Circuits, Systems, and Signal Processing, 2016, 35, 4081-4098.	1.2	0
63	Binary artificial algae algorithm for multidimensional knapsack problems. Applied Soft Computing Journal, 2016, 43, 583-595.	4.1	71
64	An Inexact Dual Fast Gradient-Projection Method for Separable Convex Optimization with Linear Coupled Constraints. Journal of Optimization Theory and Applications, 2016, 168, 153-171.	0.8	20
65	A Multiobjective Genetic Algorithm Based on a Discrete Selection Procedure. Mathematical Problems in Engineering, 2015, 2015, 1-17.	0.6	8
66	A genetic algorithm for unconstrained multi-objective optimization. Swarm and Evolutionary Computation, 2015, 22, 1-14.	4.5	62
67	A novel differential search algorithm and applications for structure design. Applied Mathematics and Computation, 2015, 268, 246-269.	1.4	130
68	Estimation of Archie parameters by a novel hybrid optimization algorithm. Journal of Petroleum Science and Engineering, 2015, 135, 232-239.	2.1	8
69	Integrating BIM and LiDAR for Real-Time Construction Quality Control. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 79, 417-432.	2.0	105
70	A system of nonsmooth equations solver based upon subgradient method. Applied Mathematics and Computation, 2015, 251, 284-299.	1.4	48
71	Gradient-free method for nonsmooth distributed optimization. Journal of Global Optimization, 2015, 61, 325-340.	1.1	34
72	The Worst-Case DFT Filter Bank Design with Subchannel Variations. , 2015, , 183-205.		0

#	ARTICLE	IF	CITATIONS
73	Optimization in Industrial Systems. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-2.	0.6	1
74	3,4-Ethylenedioxythiophene Functionalized with Tetrathiafulvalene: Synthesis and Selective Esterification. <i>Journal of Heterocyclic Chemistry</i> , 2014, 51, 1277-1281.	1.4	6
75	A DC programming approach for sensor network localization with uncertainties in anchor positions. <i>Journal of Industrial and Management Optimization</i> , 2014, 10, 817-826.	0.8	14
76	Optimizations in Project Scheduling: A State-of-Art Survey. <i>Intelligent Systems, Control and Automation: Science and Engineering</i> , 2014, , 161-177.	0.3	9
77	DISTRIBUTED PROXIMAL-GRADIENT METHOD FOR CONVEX OPTIMIZATION WITH INEQUALITY CONSTRAINTS. <i>ANZIAM Journal</i> , 2014, 56, 160-178.	0.3	4
78	Minimax optimal control of linear system with input-dependent uncertainty. <i>Journal of the Franklin Institute</i> , 2014, 351, 2742-2754.	1.9	3
79	A Framework Design for Optimizing Scaffolding Erection by Applying Mathematical Models and Virtual Simulation. , 2014, , .		1
80	A hybrid method combining genetic algorithm and Hooke-Jeeves method for constrained global optimization. <i>Journal of Industrial and Management Optimization</i> , 2014, 10, 1279-1296.	0.8	42
81	Robust Optimal Control of Continuous Linear Quadratic System Subject to Disturbances. <i>Intelligent Systems, Control and Automation: Science and Engineering</i> , 2014, , 11-34.	0.3	1
82	Global Optimal Design of IIR Filters via Constraint Transcription and Filled Function Methods. <i>Circuits, Systems, and Signal Processing</i> , 2013, 32, 1313-1334.	1.2	10
83	A direct optimization method for low group delay FIR filter design. <i>Signal Processing</i> , 2013, 93, 1764-1772.	2.1	19
84	A quasisecant method for solving a system of nonsmooth equations. <i>Computers and Mathematics With Applications</i> , 2013, 66, 419-431.	1.4	3
85	Min-max optimal control of linear systems with uncertainty and terminal state constraints. <i>Automatica</i> , 2013, 49, 1809-1815.	3.0	24
86	Synthesis of 3,4-Ethylenedioxythiophene Substituted with Hydroxymethyl and Iodomethyl Groups and Their Selective Esterification and Etherification. <i>Chinese Journal of Organic Chemistry</i> , 2013, 33, 148.	0.6	1
87	On the triality theory for a quartic polynomial optimization problem. <i>Journal of Industrial and Management Optimization</i> , 2012, 8, 229-242.	0.8	33
88	Optimal atomic-resolution structures of prion AGAAAAGA amyloid fibrils. <i>Journal of Theoretical Biology</i> , 2011, 279, 17-28.	0.8	10
89	A dual parametrization approach to Nyquist filter design. <i>Signal Processing</i> , 2010, 90, 3128-3133.	2.1	4
90	A low-complexity method for the design of low-delay cosine-modulated filter banks. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
91	A multi-agent differential evolution for linear array synthesis. , 2010, , .		1
92	Existence and uniqueness of solutions of piecewise nonlinear systems. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, 6109-6115.	0.6	5
93	A filled function method for optimal discrete-valued control problems. Journal of Global Optimization, 2009, 44, 213-225.	1.1	10
94	Optimal control of piecewise affine systems with piecewise affine state feedback. Journal of Industrial and Management Optimization, 2009, 5, 737-747.	0.8	5
95	Optimal control of switched systems with time delay. Applied Mathematics Letters, 2006, 19, 1062-1067.	1.5	48
96	Distributed proximal-gradient method for convex optimization with inequality constraints. ANZIAM Journal, 0, 56, 160.	0.0	1