

Kok Lay Teo

List of Publications by Year in descending order

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218
papers

5,088
citations

94269

37
h-index

138251

58
g-index

220
all docs

220
docs citations

220
times ranked

2780
citing authors

#	ARTICLE	IF	CITATIONS
1	A new looped-functional for stability analysis of sampled-data systems. <i>Automatica</i> , 2017, 82, 328-331.	3.0	271
2	Guidance Laws with Finite Time Convergence. <i>Journal of Guidance, Control, and Dynamics</i> , 2009, 32, 1838-1846.	1.6	240
3	The control parameterization method for nonlinear optimal control: A survey. <i>Journal of Industrial and Management Optimization</i> , 2014, 10, 275-309.	0.8	215
4	Sampled-data-based dissipative control of T-S fuzzy systems. <i>Applied Mathematical Modelling</i> , 2019, 65, 415-427.	2.2	144
5	Sampled-data synchronization control for chaotic neural networks subject to actuator saturation. <i>Neurocomputing</i> , 2017, 260, 25-31.	3.5	124
6	Exponential Stability of Impulsive High-Order Hopfield-Type Neural Networks With Time-Varying Delays. <i>IEEE Transactions on Neural Networks</i> , 2005, 16, 1329-1339.	4.8	123
7	Exponential Stability With L_2 -Gain Condition of Nonlinear Impulsive Switched Systems. <i>IEEE Transactions on Automatic Control</i> , 2010, 55, 2429-2433.	3.6	88
8	A new exact penalty function method for continuous inequality constrained optimization problems. <i>Journal of Industrial and Management Optimization</i> , 2010, 6, 895-910.	0.8	81
9	A new Lyapunov functional approach to sampled-data synchronization control for delayed neural networks. <i>Journal of the Franklin Institute</i> , 2018, 355, 8857-8873.	1.9	74
10	An Exact Penalty Function Method for Continuous Inequality Constrained Optimal Control Problem. <i>Journal of Optimization Theory and Applications</i> , 2011, 151, 260-291.	0.8	64
11	Robust multi-objective optimal switching control arising in 1,3-propanediol microbial fed-batch process. <i>Nonlinear Analysis: Hybrid Systems</i> , 2017, 25, 1-20.	2.1	63
12	Multi-period portfolio selection problem under uncertain environment with bankruptcy constraint. <i>Applied Mathematical Modelling</i> , 2018, 56, 539-550.	2.2	63
13	Computational Method for a Class of Switched System Optimal Control Problems. <i>IEEE Transactions on Automatic Control</i> , 2009, 54, 2455-2460.	3.6	61
14	A LMI approach to stability analysis and synthesis of impulsive switched systems with time delays. <i>Nonlinear Analysis: Hybrid Systems</i> , 2008, 2, 38-50. https://doi.org/10.1016/j.nahs.2008.09.009 ; </td></tr> <tr> <="" <="" <td>="" <td>15<="" <td>16<="" <td>17<="" <td>18<="" <tr>="" tbody="" td>="" td><="" tr>=""> </tr>>		

#	ARTICLE	IF	CITATIONS
19	Multivariate Polynomial Minimization and Its Application in Signal Processing. Journal of Global Optimization, 2003, 26, 419-433.	1.1	50
20	Optimal control of switched systems with time delay. Applied Mathematics Letters, 2006, 19, 1062-1067.	1.5	48
21	An Exact Penalty Method for Free Terminal Time Optimal Control Problem with Continuous Inequality Constraints. Journal of Optimization Theory and Applications, 2012, 154, 30-53.	0.8	48
22	A Binary differential search algorithm for the 0-1 multidimensional knapsack problem. Applied Mathematical Modelling, 2016, 40, 9788-9805.	2.2	48
23	Razumikhin-type theorems on exponential stability of impulsive delay systems. IMA Journal of Applied Mathematics, 2006, 71, 47-61.	0.8	47
24	A Matrix Trace Inequality. Journal of Mathematical Analysis and Applications, 2001, 263, 327-331.	0.5	46
25	Near-field broadband beamformer design via multidimensional semi-infinite linear programming techniques. IEEE Transactions on Speech and Audio Processing, 2003, 11, 725-732.	2.0	46
26	Post-disaster multi-period road network repair: work scheduling and relief logistics optimization. Annals of Operations Research, 2019, 283, 1345-1385.	2.6	45
27	Higher-order generalized convexity and duality in nondifferentiable multiobjective mathematical programming. Journal of Mathematical Analysis and Applications, 2004, 297, 48-55.	0.5	44
28	Optimal discrete-valued control computation. Journal of Global Optimization, 2013, 56, 503-518.	1.1	44
29	A new exact penalty method for semi-infinite programming problems. Journal of Computational and Applied Mathematics, 2014, 261, 271-286.	1.1	44
30	Robust control of spacecraft rendezvous on elliptical orbit. Journal of the Franklin Institute, 2012, 349, 2515-2529.	1.9	43
31	Optimal control for zinc solution purification based on interacting CSTR models. Journal of Process Control, 2012, 22, 1878-1889.	1.7	42
32	Uncertain portfolio optimization problem under a minimax risk measure. Applied Mathematical Modelling, 2019, 76, 274-281.	2.2	42
33	Delay independent stability criteria of impulsive switched systems with time-invariant delays. Mathematical and Computer Modelling, 2008, 47, 372-379.	2.0	41
34	Global exponential stability of impulsive discrete-time neural networks with time-varying delays. Applied Mathematics and Computation, 2010, 217, 537-544.	1.4	41
35	Robust H_∞ stabilisation with definite attenuation of an uncertain impulsive switched system. ANZIAM Journal, 2005, 46, 471-484.	0.3	40
36	Fuzzy model-based robust H_∞ filtering for a class of nonlinear nonhomogeneous Markov jump systems. Signal Processing, 2013, 93, 2381-2391.	2.1	39

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37	Improved Stability Criteria for Discrete-time Delay Systems via Novel Summation Inequalities. International Journal of Control, Automation and Systems, 2018, 16, 1592-1602.	1.6	39
38	Minimizing control variation in nonlinear optimal control. Automatica, 2013, 49, 2652-2664.	3.0	36
39	A Hybrid Time-Scaling Transformation for Time-Delay Optimal Control Problems. Journal of Optimization Theory and Applications, 2016, 169, 876-901.	0.8	36
40	Event-triggered constrained control of positive systems with input saturation. International Journal of Robust and Nonlinear Control, 2018, 28, 3532-3542.	2.1	36
41	FRM-Based FIR Filters With Optimum Finite Word-Length Performance. IEEE Transactions on Signal Processing, 2007, 55, 2914-2924.	3.2	35
42	Optimal Control of Nonlinear Switched Systems: Computational Methods and Applications. Journal of the Operations Research Society of China, 2013, 1, 275-311.	0.9	35
43	Time optimal Zermelo's navigation problem with moving and fixed obstacles. Applied Mathematics and Computation, 2013, 224, 866-875.	1.4	35
44	A computational method for solving time-delay optimal control problems with free terminal time. Systems and Control Letters, 2014, 72, 53-60.	1.3	35
45	Robust bi-objective optimal control of 1,3-propanediol microbial batch production process. Journal of Process Control, 2019, 78, 170-182.	1.7	35
46	A Distributionally Robust Linear Receiver Design for Multi-Access Space-Time Block Coded MIMO Systems. IEEE Transactions on Wireless Communications, 2017, 16, 464-474.	6.1	33
47	A class of optimal state-delay control problems. Nonlinear Analysis: Real World Applications, 2013, 14, 1536-1550.	0.9	32
48	Maximizing lifetime of a wireless sensor network via joint optimizing sink placement and sensor-to-sink routing. Applied Mathematical Modelling, 2017, 49, 319-337.	2.2	32
49	Multicriteria Design of Oversampled Uniform DFT Filter Banks. IEEE Signal Processing Letters, 2004, 11, 541-544.	2.1	31
50	New BFGS method for unconstrained optimization problem based on modified Armijo line search. Optimization, 2014, 63, 285-304.	1.0	31
51	Robust exponential stabilization for large-scale uncertain impulsive systems with coupling time-delays. Nonlinear Analysis: Theory, Methods & Applications, 2008, 68, 1169-1183.	0.6	30
52	A constrained optimal PID-like controller design for spacecraft attitude stabilization. Acta Astronautica, 2012, 74, 131-140.	1.7	30
53	Dual Approaches to Characterize Robust Optimal Solution Sets for a Class of Uncertain Optimization Problems. Journal of Optimization Theory and Applications, 2019, 182, 984-1000.	0.8	29
54	A model of distributionally robust two-stage stochastic convex programming with linear recourse. Applied Mathematical Modelling, 2018, 58, 86-97.	2.2	28

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55	Stability analysis of impulsive control systems. <i>Mathematical and Computer Modelling</i> , 2003, 37, 1357-1370.	2.0	27
56	Robust stabilization of uncertain impulsive switched systems with delayed control. <i>Computers and Mathematics With Applications</i> , 2008, 56, 63-70.	1.4	27
57	A new model for road network repair after natural disasters: Integrating logistics support scheduling with repair crew scheduling and routing activities. <i>Computers and Industrial Engineering</i> , 2020, 145, 106506.	3.4	27
58	The dual parameterization approach to optimal least square FIR filter design subject to maximum error constraints. <i>IEEE Transactions on Signal Processing</i> , 2000, 48, 2314-2320.	3.2	26
59	A stochastic fleet composition problem. <i>Computers and Operations Research</i> , 2012, 39, 3177-3184.	2.4	25
60	An exact penalty function method for nonlinear mixed discrete programming problems. <i>Optimization Letters</i> , 2013, 7, 23-38.	0.9	25
61	Water hammer mitigation via PDE-constrained optimization. <i>Control Engineering Practice</i> , 2015, 45, 54-63.	3.2	25
62	Multi-objective optimization of nonlinear switched time-delay systems in fed-batch process. <i>Applied Mathematical Modelling</i> , 2016, 40, 10533-10548.	2.2	25
63	A neighboring extremal solution for an optimal switched impulsive control problem. <i>Journal of Industrial and Management Optimization</i> , 2012, 8, 591-609.	0.8	25
64	Nonlinear system modeling via knot-optimizing B-spline networks. <i>IEEE Transactions on Neural Networks</i> , 2001, 12, 1013-1022.	4.8	24
65	Robust global exponential synchronization of general Lur'e chaotic systems subject to impulsive disturbances and time delays. <i>Chaos, Solitons and Fractals</i> , 2005, 23, 1629-1641.	2.5	24
66	Min-max optimal control of linear systems with uncertainty and terminal state constraints. <i>Automatica</i> , 2013, 49, 1809-1815.	3.0	24
67	Switching Time and Parameter Optimization in Nonlinear Switched Systems with Multiple Time-Delays. <i>Journal of Optimization Theory and Applications</i> , 2014, 163, 957-988.	0.8	24
68	Chance-constrained optimization for pension fund portfolios in the presence of default risk. <i>European Journal of Operational Research</i> , 2017, 256, 205-214.	3.5	24
69	Robust approximate optimal solutions for nonlinear semi-infinite programming with uncertainty. <i>Optimization</i> , 2020, 69, 2109-2129.	1.0	24
70	IMPULSIVE CONTROL OF CHAOTIC SYSTEM. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2002, 12, 1181-1190.	0.7	23
71	Variable Digital Filter With Least-Square Criterion and Peak Gain Constraints. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2007, 54, 24-28.	2.3	23
72	Robust H_2 filtering for a class of dynamical systems with nonhomogeneous Markov jump process. <i>International Journal of Systems Science</i> , 2015, 46, 599-608.	3.7	23

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73	Robust parameter estimation for nonlinear multistage time-delay systems with noisy measurement data. <i>Applied Mathematical Modelling</i> , 2018, 53, 353-368.	2.2	23
74	On approximate solutions and saddle point theorems for robust convex optimization. <i>Optimization Letters</i> , 2020, 14, 1711-1730.	0.9	22
75	Envelope constrained filter with linear interpolator. <i>IEEE Transactions on Signal Processing</i> , 1997, 45, 1405-1414.	3.2	21
76	Continuous-time envelope-constrained filter design via Laguerre filters and $\hat{\alpha}_{\infty}$ optimization methods. <i>IEEE Transactions on Signal Processing</i> , 1998, 46, 2601-2610.	3.2	21
77	Absolute stability of impulsive control systems with time delay. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2005, 62, 429-453.	0.6	21
78	Optimal design of complex FIR filters with arbitrary magnitude and group delay responses. <i>IEEE Transactions on Signal Processing</i> , 2006, 54, 1617-1628.	3.2	21
79	Time-delay estimation for nonlinear systems with piecewise-constant input. <i>Applied Mathematics and Computation</i> , 2013, 219, 9543-9560.	1.4	21
80	Optimal parameter selection for nonlinear multistage systems with time-delays. <i>Computational Optimization and Applications</i> , 2014, 59, 285-306.	0.9	21
81	Global stabilization of switched control systems with time delay. <i>Nonlinear Analysis: Hybrid Systems</i> , 2014, 14, 86-98.	2.1	21
82	Optimal Control Computation for Nonlinear Fractional Time-Delay Systems with State Inequality Constraints. <i>Journal of Optimization Theory and Applications</i> , 2021, 191, 83-117.	0.8	21
83	Duality for a Class of Nondifferentiable Multiobjective Programming Problems. <i>Journal of Mathematical Analysis and Applications</i> , 2000, 252, 999-1005.	0.5	20
84	Optimal 1,3-propanediol production: Exploring the trade-off between process yield and feeding rate variation. <i>Journal of Process Control</i> , 2015, 32, 1-9.	1.7	20
85	Sparsity-promoting distributed charging control for plug-in electric vehicles over distribution networks. <i>Applied Mathematical Modelling</i> , 2018, 58, 111-127.	2.2	20
86	Forest fire monitoring, detection and decision making systems by wireless sensor network. , 2018, . .		20
87	A Truncated Projected Newton-Type Algorithm for Large-Scale Semi-infinite Programming. <i>SIAM Journal on Optimization</i> , 2006, 16, 1137-1154.	1.2	19
88	FIR Variable Digital Filter With Signed Power-of-Two Coefficients. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2007, 54, 1348-1357.	0.1	19
89	A direct optimization method for low group delay FIR filter design. <i>Signal Processing</i> , 2013, 93, 1764-1772.	2.1	19
90	Robust fault detection for discrete-time stochastic systems with nonhomogeneous jump processes. <i>IET Control Theory and Applications</i> , 2014, 8, 1-10.	1.2	19

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91	Second-order consensus for heterogeneous multi-agent systems with input constraints. <i>Neurocomputing</i> , 2019, 351, 43-50.	3.5	19
92	Distributionally robust parameter identification of a time-delay dynamical system with stochastic measurements. <i>Applied Mathematical Modelling</i> , 2019, 69, 685-695.	2.2	19
93	Numerical solution of free final time fractional optimal control problems. <i>Applied Mathematics and Computation</i> , 2021, 405, 126270.	1.4	19
94	Optimal state-delay control in nonlinear dynamic systems. <i>Automatica</i> , 2022, 135, 109981.	3.0	19
95	An integrated optimal control algorithm for discrete-time nonlinear stochastic system. <i>International Journal of Control</i> , 2010, 83, 2536-2545.	1.2	18
96	Optimal control problems arising in the zinc sulphate electrolyte purification process. <i>Journal of Global Optimization</i> , 2012, 54, 307-323.	1.1	18
97	A Parallel Low Complexity Zero-Forcing Beamformer Design for Multiuser MIMO Systems Via a Regularized Dual Decomposition Method. <i>IEEE Transactions on Signal Processing</i> , 2015, 63, 4179-4190.	3.2	18
98	A Distributionally Robust Minimum Variance Beamformer Design. <i>IEEE Signal Processing Letters</i> , 2018, 25, 105-109.	2.1	18
99	Bi-objective dynamic optimization of a nonlinear time-delay system in microbial batch process. <i>Optimization Letters</i> , 2018, 12, 1249-1264.	0.9	18
100	Some Characterizations of Approximate Solutions for Robust Semi-infinite Optimization Problems. <i>Journal of Optimization Theory and Applications</i> , 2021, 191, 281-310.	0.8	17
101	Variable Digital Filter With Group Delay Flatness Specification or Phase Constraints. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2008, 55, 442-446.	2.2	16
102	Nonnegative Polynomial Optimization over Unit Spheres and Convex Programming Relaxations. <i>SIAM Journal on Optimization</i> , 2012, 22, 987-1008.	1.2	16
103	Design of allpass variable fractional delay filter with signed powers-of-two coefficients. <i>Signal Processing</i> , 2014, 95, 32-42.	2.1	16
104	A First-Order Optimal Zero-Forcing Beamformer Design for Multiuser MIMO Systems via a Regularized Dual Accelerated Gradient Method. <i>IEEE Communications Letters</i> , 2015, 19, 195-198.	2.5	16
105	A hybrid approach to constrained global optimization. <i>Applied Soft Computing Journal</i> , 2016, 47, 281-294.	4.1	16
106	An exact penalty function method for optimising QAP formulation in facility layout problem. <i>International Journal of Production Research</i> , 2017, 55, 2913-2929.	4.9	16
107	Symmetric duality for a class of nonlinear fractional programming problems. <i>Journal of Mathematical Analysis and Applications</i> , 2002, 271, 7-15.	0.5	15
108	Stabilizability of discrete chaotic systems via unified impulsive control. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 374, 235-240.	0.9	15

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109	Event-triggered probabilistic robust control of linear systems with input constraints: By scenario optimization approach. International Journal of Robust and Nonlinear Control, 2018, 28, 144-153.	2.1	15
110	Portfolio optimization in real financial markets with both uncertainty and randomness. Applied Mathematical Modelling, 2021, 100, 125-137.	2.2	15
111	Multi-period portfolio optimization under probabilistic risk measure. Finance Research Letters, 2016, 18, 60-66.	3.4	14
112	Dynamic optimization of open-loop input signals for ramp-up current profiles in tokamak plasmas. Communications in Nonlinear Science and Numerical Simulation, 2016, 32, 31-48.	1.7	14
113	A new uncertain random portfolio optimization model for complex systems with downside risks and diversification. Chaos, Solitons and Fractals, 2022, 160, 112213.	2.5	14
114	Convergence analysis of a monotonic penalty method for American option pricing. Journal of Mathematical Analysis and Applications, 2008, 348, 915-926.	0.5	13
115	Global exponential stability of impulsive high-order Hopfield type neural networks with delays. Computers and Mathematics With Applications, 2009, 57, 1959-1967.	1.4	13
116	Optimal feedback control for dynamic systems with state constraints: An exact penalty approach. Optimization Letters, 2014, 8, 1535-1551.	0.9	13
117	Robust parameter identification using parallel global optimization for a batch nonlinear enzyme-catalytic time-delayed process presenting metabolic discontinuities. Applied Mathematical Modelling, 2017, 46, 554-571.	2.2	13
118	Optimal train control via switched system dynamic optimization. Optimization Methods and Software, 2021, 36, 602-626.	1.6	13
119	Characterizations of robust μ -quasi optimal solutions for nonsmooth optimization problems with uncertain data. Optimization, 2021, 70, 847-870.	1.0	13
120	H_∞ optimal stabilization of a class of uncertain impulsive systems: An LMI approach. Journal of Industrial and Management Optimization, 2009, 5, 153-159.	0.8	13
121	Complete way to fractionalize Fourier transform. Optics Communications, 2004, 230, 55-57.	1.0	12
122	Transformations for nonideal uniform circular arrays operating in correlated signal environments. IEEE Transactions on Signal Processing, 2006, 54, 34-48.	3.2	12
123	Global synchronization of dynamical networks with coupling time delays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 368, 53-63.	0.9	12
124	A Superlinearly Convergent Method for a Class of Complementarity Problems with Non-Lipschitzian Functions. SIAM Journal on Optimization, 2010, 20, 1811-1827.	1.2	12
125	An optimal control approach to spacecraft rendezvous on elliptical orbit. Optimal Control Applications and Methods, 2015, 36, 158-178.	1.3	12
126	Sparsity-enhanced optimization for ejector performance prediction. Energy, 2016, 113, 25-34.	4.5	12

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127	Multivariate visualization of the global COVID-19 pandemic: A comparison of 161 countries. PLoS ONE, 2021, 16, e0252273.	1.1	12
128	Robust design of envelope-constrained filters in the presence of input uncertainty. IEEE Transactions on Signal Processing, 1996, 44, 1872-1878.	3.2	11
129	A unified approach to multistage frequency-response masking filter design using the WLS technique. IEEE Transactions on Signal Processing, 2006, 54, 3459-3467.	3.2	11
130	A primal-dual interior point method for optimal zero-forcing beamformer design under per-antenna power constraints. Optimization Letters, 2014, 8, 1829-1843.	0.9	11
131	Adaptive Jacobian force/position tracking for space free-flying robots with prescribed transient performance. Robotics and Autonomous Systems, 2015, 72, 235-247.	3.0	11
132	A sequential computational approach to optimal control problems for differential-algebraic systems based on efficient implicit Runge-Kutta integration. Applied Mathematical Modelling, 2018, 58, 313-330.	2.2	11
133	Asynchronous H ∞ control for nonhomogeneous higher-level Markov jump systems. Journal of the Franklin Institute, 2020, 357, 4697-4708.	1.9	11
134	Control and synchronization of hyperchaos in digital manufacturing supply chain. Applied Mathematics and Computation, 2021, 391, 125646.	1.4	11
135	Second-Order Blind Signal Separation for Convolutional Mixtures Using Conjugate Gradient. IEEE Signal Processing Letters, 2008, 15, 79-82.	2.1	10
136	Asymptotic stability of impulsive high-order Hopfield type neural networks. Computers and Mathematics With Applications, 2009, 57, 1968-1977.	1.4	10
137	A suboptimal feedback control for nonlinear time-varying systems with continuous inequality constraints. Automatica, 2012, 48, 660-665.	3.0	10
138	A Discrete Sliding-Mode Guidance Law. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2015, 137, .	0.9	10
139	Optimal minimal variation control with quality constraint for fed-batch fermentation processes involving multiple feeds. Journal of the Franklin Institute, 2020, 357, 6571-6594.	1.9	10
140	Modelling and optimal state-delay control in microbial batch process. Applied Mathematical Modelling, 2021, 89, 792-801.	2.2	10
141	Explicitly B-preinvex functions. Journal of Computational and Applied Mathematics, 2002, 146, 25-36.	1.1	9
142	A hybrid method for the design of oversampled uniform DFT filter banks. Signal Processing, 2006, 86, 1355-1364.	2.1	9
143	Synchronization Control for a Class of Underactuated Mechanical Systems via Energy Shaping. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2012, 134, .	0.9	9
144	A Max-Min Control Problem Arising in Gradient Elution Chromatography. Industrial & Engineering Chemistry Research, 2012, 51, 6137-6144.	1.8	9

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145	Nonlinear optimal feedback control for lunar module soft landing. <i>Journal of Global Optimization</i> , 2012, 52, 211-227.	1.1	9
146	Some interesting properties for zero-forcing beamforming under per-antenna power constraints in rural areas. <i>Journal of Global Optimization</i> , 2015, 62, 877-886.	1.1	9
147	Constrained MPC design of nonlinear Markov jump system with nonhomogeneous process. <i>Nonlinear Analysis: Hybrid Systems</i> , 2015, 17, 1-9.	2.1	9
148	A generalized design method for three-dimensional guidance laws. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2017, 231, 47-60.	0.7	9
149	Optimal control of nonlinear fractional systems with multiple pantograph delays. <i>Applied Mathematics and Computation</i> , 2022, 425, 127094.	1.4	9
150	Observer-Based H^∞ Control on Nonhomogeneous Discrete-Time Markov Jump Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2013, 135, .	0.9	8
151	Optimal control problems with stopping constraints. <i>Journal of Global Optimization</i> , 2015, 63, 835-861.	1.1	8
152	Mixed-integer minimax dynamic optimization for structure identification of glycerol metabolic network. <i>Applied Mathematical Modelling</i> , 2020, 82, 503-520.	2.2	8
153	Optimal control and robust stability of uncertain impulsive dynamical systems. <i>Asian Journal of Control</i> , 2008, 10, 314-326.	1.9	7
154	Coordination arrival control for multi-agent systems. <i>International Journal of Robust and Nonlinear Control</i> , 2016, 26, 1456-1474.	2.1	7
155	Robust optimization for a nonlinear switched time-delay system with noisy output measurements using hybrid optimization algorithm. <i>Journal of the Franklin Institute</i> , 2019, 356, 9730-9762.	1.9	7
156	Stability strategies of demand-driven supply networks with transportation delay. <i>Applied Mathematical Modelling</i> , 2019, 76, 109-121.	2.2	7
157	Scheduling and Planning Framework for Time Delay Integration Imaging by Agile Satellite. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2022, 58, 189-205.	2.6	7
158	A smoothing approach for semi-infinite programming with projected Newton-type algorithm. <i>Journal of Industrial and Management Optimization</i> , 2009, 5, 141-151.	0.8	7
159	Optimal finite-precision approximation of FIR filters. <i>Signal Processing</i> , 2002, 82, 1695-1705.	2.1	6
160	A robust transform domain echo canceller employing a parallel filter structure. <i>Signal Processing</i> , 2006, 86, 3752-3760.	2.1	6
161	A Numerical Method for a Class of Mixed Switching and Impulsive Optimal Control Problems. <i>Computers and Mathematics With Applications</i> , 2006, 52, 625-636.	1.4	6
162	Polymorphic uncertain nonlinear programming approach for maximizing the capacity of V-belt driving. <i>Optimization and Engineering</i> , 2014, 15, 267-292.	1.3	6

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163	Horizontal well's path planning: An optimal switching control approach. Applied Mathematical Modelling, 2015, 39, 4022-4032.	2.2	6
164	Minimizing control variation in discrete-time optimal control problems. Journal of Computational and Applied Mathematics, 2016, 292, 292-306.	1.1	6
165	Deterministic Conversion of Uncertain Manpower Planning Optimization Problem. IEEE Transactions on Fuzzy Systems, 2018, 26, 2748-2757.	6.5	6
166	An optimistic value-at-risk variance-entropy model of uncertain portfolio optimization problem under different risk preferences. Soft Computing, 2021, 25, 3993-4001.	2.1	6
167	Envelope-constrained filters: adaptive algorithms. IEEE Transactions on Signal Processing, 2000, 48, 1597-1608.	3.2	5
168	Allpass VFD Filter Design. IEEE Transactions on Signal Processing, 2010, 58, 4432-4436.	3.2	5
169	Closed-form solutions of a fishery harvesting model with state constraint. Optimal Control Applications and Methods, 2014, 35, 395-411.	1.3	5
170	\mathcal{KL} -stability for a class of hybrid dynamical systems. IMA Journal of Applied Mathematics, 2017, 82, 1043-1060.	0.8	5
171	Necessary and Sufficient Optimality Conditions for Regular Singular Stochastic Differential Games with Asymmetric Information. Journal of Optimization Theory and Applications, 2018, 179, 501-532.	0.8	5
172	Distributionally robust L_1 -estimation in multiple linear regression. Optimization Letters, 2019, 13, 935-947.	0.9	5
173	Optimal operation of alumina proportioning and mixing process based on stochastic optimization approach. Control Engineering Practice, 2021, 113, 104855.	3.2	5
174	Analysis of Schizophrenia Data Using A Nonlinear Threshold Index Logistic Model. PLoS ONE, 2014, 9, e109454.	1.1	5
175	Mean square convergence of adaptive envelope-constrained filtering. IEEE Transactions on Signal Processing, 2002, 50, 1429-1437.	3.2	4
176	Input-to-state stability for a class of hybrid dynamical systems via hybrid time approach. , 2009, , .		4
177	A dual parametrization approach to Nyquist filter design. Signal Processing, 2010, 90, 3128-3133.	2.1	4
178	Efficient Output Solution for Nonlinear Stochastic Optimal Control Problem with Model-Reality Differences. Mathematical Problems in Engineering, 2015, 2015, 1-9.	0.6	4
179	Stochastic optimization for real-time operation of alumina blending process. Journal of Process Control, 2020, 96, 49-56.	1.7	4
180	Least Squares Support Vector Machine-Based Multivariate Generalized Predictive Control for Parabolic Distributed Parameter Systems with Control Constraints. Symmetry, 2021, 13, 453.	1.1	4

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181	A numerical approach to infinite-dimensional linear programming in L_1 spaces. Journal of Industrial and Management Optimization, 2010, 6, 15-28.	0.8	4
182	Mixed type converse duality in multiobjective programming problems. Journal of Mathematical Analysis and Applications, 2005, 304, 394-398.	0.5	3
183	Higher-order Mond-Weir converse duality in multiobjective programming involving cones. Science China Mathematics, 2013, 56, 2389-2392.	0.8	3
184	Output Peak Control of Nonhomogeneous Markov Jump System with Unit-Energy Disturbance. Circuits, Systems, and Signal Processing, 2014, 33, 2793-2806.	1.2	3
185	Minimax optimal control of linear system with input-dependent uncertainty. Journal of the Franklin Institute, 2014, 351, 2742-2754.	1.9	3
186	Dynamic optimization for robust path planning of horizontal oil wells. Applied Mathematics and Computation, 2016, 274, 711-725.	1.4	3
187	Some New Results on Integral-Type Backstepping Method for a Control Problem Governed by a Linear Heat Equation. IEEE Transactions on Automatic Control, 2017, 62, 3640-3645.	3.6	3
188	Robust optimal control for a batch nonlinear enzyme-catalytic switched time-delayed process with noisy output measurements. Nonlinear Analysis: Hybrid Systems, 2021, 41, 101059.	2.1	3
189	Perturbation feedback control in general multiple linear-quadratic control problems. IMA Journal of Mathematical Control and Information, 1998, 15, 303-315.	1.1	2
190	Nonlinear optimal feedback control for lunar module soft landing. , 2009, , .		2
191	Path planning for underactuated Dubins micro-robots using switching control. , 2013, , .		2
192	Dynamic variational inequality in fuzzy environments. Fuzzy Optimization and Decision Making, 2020, 19, 275-296.	3.4	2
193	H ∞ Asynchronous Control for Discrete-Time Semi-Markov Jump Systems. IFAC-PapersOnLine, 2022, 55, 143-148.	0.5	2
194	Uniform DFT Filter Bank with Finite Precision Prototype Filters. , 2006, , .		1
195	New results on practical set stability of switched nonlinear systems. , 2013, , .		1
196	On Boundedness and Attractiveness of Nonlinear Switched Delay Systems. Abstract and Applied Analysis, 2013, 2013, 1-8.	0.3	1
197	Optimization in Industrial Systems. Mathematical Problems in Engineering, 2014, 2014, 1-2.	0.6	1
198	Editorial of Dynamical Systems, Control and Optimization. Differential Equations and Dynamical Systems, 2018, 26, 1-1.	0.5	1

#	ARTICLE	IF	CITATIONS
199	Model Predictive Control for First-Order Hyperbolic System Based on Quasi-Shannon Wavelet Basis. Processes, 2020, 8, 1114.	1.3	1
200	A computational study of optimal control of Markov jump systems. Journal of the Franklin Institute, 2022, 359, 3575-3596.	1.9	1
201	Perimeter Control With State-Dependent Delays: Optimal Control Model and Computational Method. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-14.	4.7	1
202	Applications of H ∞ optimization method to envelope-constrained IIR filter design. Nonlinear Analysis: Theory, Methods & Applications, 1997, 30, 4267-4276.	0.6	0
203	Steerable Far-field Circular Array. , 0, , .		0
204	Optimal Piecewise State Feedback Control for Nonlinear Dynamical Systems. , 2006, , .		0
205	Gain scheduled H-infinity control for nonlinear stochastic systems with mixed uncertainties. , 2013, , .		0
206	Disturbance Attraction Domain Estimation for Saturated Markov Jump Systems with Truncated Gaussian Process. Mathematical Problems in Engineering, 2014, 2014, 1-6.	0.6	0
207	Special issue on the 5th international conference on optimization and control with applications (OCA5). Optimization Letters, 2014, 8, 1797-1798.	0.9	0
208	Special issue on "optimization and optimal control with applications" for the 9th international conference on optimization: techniques and applications (9th ICOTA), December 12-16, 2013, Taipei, Taiwan. Journal of Global Optimization, 2015, 62, 615-615.	1.1	0
209	Dedicated to the memory of Professor Xiaoling Sun (1963-2014). Optimization Methods and Software, 2016, 31, 679-680.	1.6	0
210	Preface of the special issue: the 6th International Conference on Optimization and Control with Applications (6th OCA). Optimization Letters, 2018, 12, 1157-1159.	0.9	0
211	Robust time-delay estimation for nonlinear systems using inexact output. , 2018, , .		0
212	Preface: Special issue dedicated to the tenth international conference on optimization techniques and applications (ICOTA 10). Optimization Letters, 2019, 13, 449-450.	0.9	0
213	Event-triggered μ level H ∞ probabilistic control of uncertain systems. Journal of the Franklin Institute, 2019, 356, 10564-10575.	1.9	0
214	Stabilization of supply networks with a varying manager-reaction time delay. Journal of the Franklin Institute, 2020, 357, 12346-12363.	1.9	0
215	Essential issues on solving optimal power flow problems using soft-computing. Numerical Algebra, Control and Optimization, 2014, 4, 341-351.	1.0	0
216	Implicit integration with adjoint sensitivity propagation for optimal control problems involving differential-algebraic equations. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
217	Generalized Predictive Temperature Control in Tubular Chemical Reactors by means of Proper Orthogonal Decomposition and Least Squares Support Vector Machine. , 2020, , .		0
218	A Smoothing Method for Ramp Metering. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13358-13371.	4.7	0