

# Peter J Fleming

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2316726/peter-j-fleming-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

188  
papers

7,990  
citations

39  
h-index

87  
g-index

214  
ext. papers

9,159  
ext. citations

4  
avg, IF

6.27  
L-index

#	Paper	IF	Citations
188	An Overview of Evolutionary Algorithms in Multiobjective Optimization. <i>Evolutionary Computation</i> , <b>1995</b> , 3, 1-16	4.3	1530
187	Multiobjective optimization and multiple constraint handling with evolutionary algorithms. I. A unified formulation. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , <b>1998</b> , 28, 26-37		768
186	. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2013</b> , 17, 474-494	15.6	383
185	Evolutionary algorithms in control systems engineering: a survey. <i>Control Engineering Practice</i> , <b>2002</b> , 10, 1223-1241	3.9	382
184	On the Evolutionary Optimization of Many Conflicting Objectives. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2007</b> , 11, 770-784	15.6	312
183	Multiobjective optimization and multiple constraint handling with evolutionary algorithms. II. Application example. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , <b>1998</b> , 28, 38-47		248
182	Stability analysis of the particle dynamics in particle swarm optimizer. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2006</b> , 10, 245-255	15.6	237
181	Major epidemiological changes in sudden infant death syndrome: a 20-year population-based study in the UK. <i>Lancet, The</i> , <b>2006</b> , 367, 314-9	40	232
180	Diversity Management in Evolutionary Many-Objective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2011</b> , 15, 183-195	15.6	220
179	Many-Objective Optimization: An Engineering Design Perspective. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 14-32	0.9	180
178	On the performance assessment and comparison of stochastic multiobjective optimizers. <i>Lecture Notes in Computer Science</i> , <b>1996</b> , 584-593	0.9	179
177	Generation expansion planning optimisation with renewable energy integration: A review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 69, 790-803	16.2	134
176	Combinatorial library design using a multiobjective genetic algorithm. <i>Journal of Chemical Information and Computer Sciences</i> , <b>2002</b> , 42, 375-85		130
175	Childhood sleep duration and associated demographic characteristics in an English cohort. <i>Sleep</i> , <b>2012</b> , 35, 353-60	1.1	129
174	Tuning of decentralised PI (PID) controllers for TITO processes. <i>Control Engineering Practice</i> , <b>2006</b> , 14, 1069-1080	3.9	102
173	Methods for multi-objective optimization: An analysis. <i>Information Sciences</i> , <b>2015</b> , 293, 338-350	7.7	99
172	Preference-inspired co-evolutionary algorithms using weight vectors. <i>European Journal of Operational Research</i> , <b>2015</b> , 243, 423-441	5.6	96

171	Sleep patterns in children with autistic spectrum disorders: a prospective cohort study. <i>Archives of Disease in Childhood</i> , <b>2014</b> , 99, 114-8	2.2	96
170	Evolutionary many-objective optimisation: an exploratory analysis		92
169	Multiobjective optimization in quantitative structure-activity relationships: deriving accurate and interpretable QSARs. <i>Journal of Medicinal Chemistry</i> , <b>2002</b> , 45, 5069-80	8.3	80
168	Generalized decomposition and cross entropy methods for many-objective optimization. <i>Information Sciences</i> , <b>2014</b> , 282, 363-387	7.7	72
167	'Identifying the structure of nonlinear dynamic systems using multiobjective genetic programming. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , <b>2004</b> , 34, 531-545		71
166	Multi-objective energy storage power dispatching using plug-in vehicles in a smart-microgrid. <i>Renewable Energy</i> , <b>2016</b> , 89, 730-742	8.1	65
165	Sleep patterns in children with ADHD: a population-based cohort study from birth to 11 years. <i>Journal of Sleep Research</i> , <b>2013</b> , 22, 121-8	5.8	62
164	Conflict, Harmony, and Independence: Relationships in Evolutionary Multi-criterion Optimisation. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 16-30	0.9	62
163	Designing focused libraries using MoSELECT. <i>Journal of Molecular Graphics and Modelling</i> , <b>2002</b> , 20, 491-8.8		59
162	An overview of population-based algorithms for multi-objective optimisation. <i>International Journal of Systems Science</i> , <b>2015</b> , 46, 1572-1599	2.3	58
161	Bayesian Hierarchical Models for aerospace gas turbine engine prognostics. <i>Expert Systems With Applications</i> , <b>2015</b> , 42, 539-553	7.8	55
160	The stud GA: A mini revolution?. <i>Lecture Notes in Computer Science</i> , <b>1998</b> , 683-691	0.9	54
159	Multiobjective gas turbine engine controller design using genetic algorithms. <i>IEEE Transactions on Industrial Electronics</i> , <b>1996</b> , 43, 583-587	8.9	53
158	Convergence Acceleration Operator for Multiobjective Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2009</b> , 13, 825-847	15.6	52
157	Gas turbine engine prognostics using Bayesian hierarchical models: A variational approach. <i>Mechanical Systems and Signal Processing</i> , <b>2016</b> , 70-71, 120-140	7.8	51
156	Looper and tension control in hot rolling mills: A survey. <i>Journal of Process Control</i> , <b>2007</b> , 17, 509-521	3.9	48
155	Fuzzy scheduling control of a gas turbine aero-engine: a multiobjective approach. <i>IEEE Transactions on Industrial Electronics</i> , <b>2002</b> , 49, 536-548	8.9	48
154	Generalized Decomposition. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 428-442	0.9	44

153	Aggregation Trees for visualization and dimension reduction in many-objective optimization. <i>Information Sciences</i> , <b>2015</b> , 298, 288-314	7.7	43
152	A Real-World Application of a Many-Objective Optimisation Complexity Reduction Process. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 641-655	0.9	42
151	Pareto front estimation for decision making. <i>Evolutionary Computation</i> , <b>2014</b> , 22, 651-78	4.3	41
150	A novel hybrid teaching learning based multi-objective particle swarm optimization. <i>Neurocomputing</i> , <b>2017</b> , 222, 11-25	5.4	40
149	Nonlinear identification of aircraft gas-turbine dynamics. <i>Neurocomputing</i> , <b>2003</b> , 55, 551-579	5.4	37
148	Performance optimization of gas turbine engine. <i>Engineering Applications of Artificial Intelligence</i> , <b>2005</b> , 18, 575-583	7.2	37
147	General framework for localised multi-objective evolutionary algorithms. <i>Information Sciences</i> , <b>2014</b> , 258, 29-53	7.7	36
146	Local search with quadratic approximations into memetic algorithms for optimization with multiple criteria. <i>Evolutionary Computation</i> , <b>2008</b> , 16, 185-224	4.3	35
145	Improved multi-objective particle swarm optimization with preference strategy for optimal DG integration into the distribution system. <i>Neurocomputing</i> , <b>2015</b> , 148, 23-29	5.4	34
144	Preference-Driven Co-evolutionary Algorithms Show Promise for Many-Objective Optimisation. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 136-150	0.9	34
143	Application of system identification techniques to aircraft gas turbine engines. <i>Control Engineering Practice</i> , <b>2001</b> , 9, 135-148	3.9	33
142	Design algorithms for a sensitivity constrained suboptimal regulator. <i>International Journal of Control</i> , <b>1977</b> , 25, 965-978	1.5	30
141	On-line evolution of robust control systems: an industrial active magnetic bearing application. <i>Control Engineering Practice</i> , <b>2001</b> , 9, 37-49	3.9	29
140	The iPICEA-g: a new hybrid evolutionary multi-criteria decision making approach using the brushing technique. <i>European Journal of Operational Research</i> , <b>2015</b> , 243, 442-453	5.6	28
139	New robust forecasting models for exchange rates prediction. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 12658-12670	7.8	26
138	System Identification Strategies Applied to Aircraft Gas Turbine Engines. <i>Annual Reviews in Control</i> , <b>2000</b> , 24, 67-81	10.3	26
137	Towards Understanding the Cost of Adaptation in Decomposition-Based Optimization Algorithms <b>2013</b> ,		25
136	Design of robust fuzzy-logic control systems by multi-objective evolutionary methods with hardware in the loop. <i>Engineering Applications of Artificial Intelligence</i> , <b>2004</b> , 17, 275-284	7.2	25

135	A novel object-oriented environment for distributed process control systems. <i>Control Engineering Practice</i> , <b>2005</b> , 13, 213-230	3.9	25
134	Evolution of mathematical models of chaotic systems based on multiobjective genetic programming. <i>Knowledge and Information Systems</i> , <b>2005</b> , 8, 235-256	2.4	25
133	Active robust optimization: enhancing robustness to uncertain environments. <i>IEEE Transactions on Cybernetics</i> , <b>2014</b> , 44, 2221-31	10.2	24
132	Linear matrix inequalities and evolutionary optimization in multiobjective control. <i>International Journal of Systems Science</i> , <b>2006</b> , 37, 513-522	2.3	24
131	Application of multi-objective optimisation to compensator design for SISO control systems. <i>Electronics Letters</i> , <b>1986</b> , 22, 258	1.1	24
130	Does family-centred neonatal discharge planning reduce healthcare usage? A before and after study in South West England. <i>BMJ Open</i> , <b>2016</b> , 6, e010752	3	24
129	A Comparative Study of Progressive Preference Articulation Techniques for Multiobjective Optimisation <b>2007</b> , 908-921		22
128	Automotive drive by wire controller design by multi-objective techniques. <i>Control Engineering Practice</i> , <b>2005</b> , 13, 257-264	3.9	22
127	Multi-objective genetic programming for nonlinear system identification. <i>Electronics Letters</i> , <b>1998</b> , 34, 930	1.1	22
126	A CANbus-based safety-critical distributed aeroengine control systems architecture demonstrator. <i>Microprocessors and Microsystems</i> , <b>1999</b> , 23, 345-355	2.4	22
125	Method for on-line identification of a first order plus dead-time process model. <i>Electronics Letters</i> , <b>1995</b> , 31, 1297-1298	1.1	21
124	Multiobjective optimization using variable complexity modelling for control system design. <i>Applied Soft Computing Journal</i> , <b>2008</b> , 8, 392-401	7.5	20
123	Multi-objective optimization approach to the PI tuning problem <b>2007</b> ,		20
122	. <i>IEEE Parallel and Distributed Technology</i> , <b>1994</b> , 2, 9-19		20
121	Multi-objective optimization approach to the ALSTOM gasifier problem. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , <b>2000</b> , 214, 453-469 <sup>1</sup>		19
120			19
119	The control of ventilation: a theoretical analysis of the response to transient disturbances. <i>Journal of Theoretical Biology</i> , <b>1984</b> , 108, 261-83	2.3	17
118	Whatever Works Best for You A New Method for a Priori and Progressive Multi-objective Optimisation. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 337-351	0.9	17

117	Time and frequency domain identification and analysis of a gas turbine engine. <i>Control Engineering Practice</i> , <b>2002</b> , 10, 1347-1356	3.9	16
116	Effects of eye color on frisbee toss. <i>Perceptual and Motor Skills</i> , <b>1988</b> , 66, 675-6	2.2	16
115	Multiobjective analysis for the design and control of an electromagnetic valve actuator. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , <b>2007</b> , 221, 567-577	1.4	15
114	A multi-objective framework for long-term generation expansion planning with variable renewables. <i>Applied Energy</i> , <b>2019</b> , 253, 113589	10.7	14
113	An analysis of parameter sensitivities of preference-inspired co-evolutionary algorithms. <i>International Journal of Systems Science</i> , <b>2015</b> , 46, 2407-2420	2.3	14
112	Optimal tuning of PI controllers for first order plus dead time/long dead time models using dimensional analysis <b>2003</b> ,		13
111	A discrete particle swarm optimisation algorithm to operate distributed energy generation networks efficiently. <i>International Journal of Bio-Inspired Computation</i> , <b>2018</b> , 12, 226	2.9	13
110	An Adaptive Divide-and-Conquer Methodology for Evolutionary Multi-criterion Optimisation. <i>Lecture Notes in Computer Science</i> , <b>2003</b> , 133-147	0.9	13
109	A Non-parametric Harmony-Based Objective Reduction Method for Many-Objective Optimization <b>2013</b> ,		12
108	Computational steering of a multi-objective evolutionary algorithm for engineering design. <i>Engineering Applications of Artificial Intelligence</i> , <b>2007</b> , 20, 1047-1057	7.2	12
107	A Diversity Management Operator for Evolutionary Many-Objective Optimisation. <i>Lecture Notes in Computer Science</i> , <b>2009</b> , 81-94	0.9	12
106	A Many-Objective Optimisation Decision-Making Process Applied to Automotive Diesel Engine Calibration. <i>Lecture Notes in Computer Science</i> , <b>2010</b> , 638-646	0.9	12
105	On finding well-spread pareto optimal solutions by preference-inspired co-evolutionary algorithm <b>2013</b> ,		11
104	Preference-inspired co-evolutionary algorithm using adaptively generated goal vectors <b>2013</b> ,		11
103	Generic Pareto local search metaheuristic for optimization of targeted offers in a bi-objective direct marketing campaign. <i>Computers and Operations Research</i> , <b>2017</b> , 78, 578-587	4.6	11
102	Alternative parallel implementations of an AR-modified covariance spectral estimator for diagnostic ultrasonic blood flow studies. <i>Parallel Computing</i> , <b>1993</b> , 19, 463-476	1	11
101	Postneonatal development of respiratory oscillations. <i>Annals of the New York Academy of Sciences</i> , <b>1988</b> , 533, 305-13	6.5	11
100	Multi-objective evolutionary design of robust controllers on the grid. <i>Engineering Applications of Artificial Intelligence</i> , <b>2014</b> , 27, 17-27	7.2	10

99	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews</i> , <b>2007</b> , 37, 1190-1201		10
98	Distributed aero-engine control systems architecture selection using multi-objective optimisation. <i>Control Engineering Practice</i> , <b>1999</b> , 7, 655-664	3.9	10
97	Non-Linear System Identification with Multiobjective Genetic Algorithms. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>1996</b> , 29, 1169-1174		10
96	Gearbox design for uncertain load requirements using active robust optimization. <i>Engineering Optimization</i> , <b>2016</b> , 48, 652-671	2	9
95	Effects of eye color and sex on accuracy in archery. <i>Perceptual and Motor Skills</i> , <b>1989</b> , 68, 389-90	2.2	9
94	Estimating discharge dates using routinely collected data: improving the preparedness of parents of preterm infants for discharge home. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , <b>2017</b> , 102, F170-F172	4.7	8
93	Preference-inspired co-evolutionary algorithm using weights for many-objective optimization <b>2013</b> ,		8
92	Performance Evaluation Issues in Real-Time Parallel Signal Processing and Control. <i>Journal of Parallel and Distributed Computing</i> , <b>1997</b> , 42, 67-74	4.4	8
91	An informed convergence accelerator for evolutionary multiobjective optimiser <b>2007</b> ,		8
90	Robust PI Controller for Load Disturbance Rejection and Setpoint Regulation		8
89	Drive-by-wire control of automotive driveline oscillations by response surface methodology. <i>IEEE Transactions on Control Systems Technology</i> , <b>2004</b> , 12, 737-741	4.8	8
88	An Overview of Compressor Instabilities: Basic Concepts and Control. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2004</b> , 37, 523-528		7
87	Relations of eye color to scores on Bruininks-Oseretsky Test of Motor Proficiency--Short Form. <i>Perceptual and Motor Skills</i> , <b>1989</b> , 68, 859-62	2.2	7
86	Cooperative co-evolution with improved differential grouping method for large-scale global optimisation. <i>International Journal of Bio-Inspired Computation</i> , <b>2018</b> , 12, 214	2.9	7
85	Local preference-inspired co-evolutionary algorithms <b>2012</b> ,		6
84	Optimisation of maintenance scheduling strategies on the grid. <i>Annals of Operations Research</i> , <b>2010</b> , 180, 213-231	3.2	6
83	Hybrid multiobjective genetic algorithm with a new adaptive local search process <b>2005</b> ,		6
82	A framework for modelling in S88 constructs for scheduling purposes. <i>ISA Transactions</i> , <b>2001</b> , 40, 295-305.5		6



81	PI controller tuning for load disturbance rejection using constrained optimization. <i>International Journal of Dynamics and Control</i> , <b>2018</b> , 6, 188-199	1.7	5
80	Distributed health monitoring for aero-engines on the GRID: DAME <b>2005</b> ,		5
79	Use of Genetic Programming in the Identification of Rational Model Structures. <i>Lecture Notes in Computer Science</i> , <b>2000</b> , 181-192	0.9	5
78	Evolutionary Algorithms and Simulated Annealing for MCDM. <i>Profiles in Operations Research</i> , <b>1999</b> , 501-532		5
77	. <i>IEEE Control Systems</i> , <b>1995</b> , 15, 48-53	2.9	5
76	Effects of eye color on the accuracy of ball throwing of elementary school children. <i>Perceptual and Motor Skills</i> , <b>1989</b> , 68, 163-6	2.2	5
75	Liger <b>2013</b> ,		4
74	Robust multivariable control of active magnetic bearings <b>1997</b> ,		4
73	Service-oriented architecture on the Grid for integrated fault diagnostics. <i>Concurrency Computation Practice and Experience</i> , <b>2007</b> , 19, 223-234	1.4	4
72	Local search with quadratic approximation in Genetic Algorithms for expensive optimization problems <b>2007</b> ,		4
71	An agent-based system for distributed fault diagnosis. <i>International Journal of Knowledge-Based and Intelligent Engineering Systems</i> , <b>2006</b> , 10, 319-335	0.5	4
70	Real-time simulation and control systems design by the Response Surface Methodology and designed experiments. <i>International Journal of Systems Science</i> , <b>2003</b> , 34, 837-850	2.3	4
69	A non-linear programming approach to the computer-aided design of regulators using a linear-quadratic formulation□ <i>International Journal of Control</i> , <b>1985</b> , 42, 257-268	1.5	4
68	Desensitizing constant gain feedback linear regulators. <i>IEEE Transactions on Automatic Control</i> , <b>1978</b> , 23, 933-936	5.9	4
67	Optimization of Adaptation - A Multi-objective Approach for Optimizing Changes to Design Parameters. <i>Lecture Notes in Computer Science</i> , <b>2013</b> , 21-35	0.9	4
66	An effective PSO-TLBO algorithm for multi-objective optimization <b>2016</b> ,		4
65	Aero engine health management system architecture design using multi-criteria optimization <b>2013</b> ,		3
64	Control system design for a gas turbine engine using evolutionary computing for multidisciplinary optimization. <i>Controle and Automacao</i> , <b>2007</b> , 18, 471-478		3



63	An Application of the Model Based Predictive Control in a Hot Rolling Mill. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2004</b> , 37, 131-136		3
62	A Service Oriented Architecture for Decision Making in Engineering Design. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 334-343	0.9	3
61	Genetic programming for dynamic chaotic systems modelling		3
60	Parallel computing in CACSD. <i>Transactions of the Institute of Measurement and Control</i> , <b>1994</b> , 16, 3-8	1.8	3
59	Heterogeneous and homogeneous parallel architectures for real-time active vibration control. <i>IET Control Theory and Applications</i> , <b>1995</b> , 142, 625-632		3
58	Effective mapping of continuous-time controllers to their discrete equivalents. <i>Electronics Letters</i> , <b>1990</b> , 26, 562	1.1	3
57	Collaborative multi-objective optimization for distributed design of complex products <b>2018</b> ,		2
56	Multi-objective Evolutionary Design of Robust Controllers on the Grid. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2011</b> , 44, 14711-14716		2
55	Robust constrained predictive controllers for hot rolling mills: Disturbance uncertainty case. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , <b>2008</b> , 222, 137-152	1	2
54	Recurrence risk of sudden infant death syndrome. <i>Archives of Disease in Childhood</i> , <b>2008</b> , 93, 269-70	2.2	2
53	Gaussian Process Latent Variable Models for Fault Detection <b>2007</b> ,		2
52	Effectiveness of MPC algorithms for hot rolling mills in the presence of disturbances. <i>Proceedings of the American Control Conference</i> , <b>2007</b> ,	1.2	2
51	Decentralized PI control of a rolls-royce jet engine		2
50	Active Hierarchical Fuzzy Control for Gas Turbine Altitude Relighting Using Multi-Objective Optimization <b>2006</b> , 853		2
49	Inverse Model Control of a Three Spool Gas Turbine Engine <b>2005</b> , 731		2
48	The response surface methodology for rapid prototyping of real-time control systems <b>2002</b> ,		2
47	STAGED COMBUSTION CONTROL FOR AVIATION ENGINES: A MULTI-OBJECTIVE OPTIMISATION APPROACH. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2002</b> , 35, 265-270		2
46	Neuro-genetic PID autotuning <b>2001</b> ,		2

45	Development framework approach to heterogeneous system design for control systems. <i>Control Engineering Practice</i> , <b>1996</b> , 4, 229-238	3.9	2
44	Determination of optimal constant feedback gains for nonlinear systems. <i>Proceedings of the Institution of Electrical Engineers</i> , <b>1979</b> , 126, 267		2
43	Comments and corrections to "Optimization with trajectory sensitivity considerations". <i>IEEE Transactions on Automatic Control</i> , <b>1977</b> , 22, 151-151	5.9	2
42	The Use of Case-Based Reasoning Technology to Aid Fault Isolation in a Modern Gas Turbine Engine Design <b>1998</b> ,		2
41	A Toolkit for Generating Scalable Stochastic Multiobjective Test Problems <b>2016</b> ,		2
40	Improved Sampling of Decision Space for Pareto Estimation <b>2015</b> ,		1
39	Progressive diversity management in evolutionary multiobjective optimisation <b>2010</b> ,		1
38	Design tools for hybrid control systems. <i>Lecture Notes in Computer Science</i> , <b>1997</b> , 87-92	0.9	1
37	A generic approach to parallelizing and developing control algorithms for heterogeneous architectures. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>1997</b> , 11, 443-460	2.8	1
36	An evolutionary particle swarm algorithm for multi-objective optimisation <b>2008</b> ,		1
35	A multiobjective optimization approach to DK-iteration <b>2003</b> ,		1
34	Surge Margin Tracking for Active Control of Quick Windmill Relighting <b>2004</b> , 655		1
33	A SURVEY OF THE LOOPER-TENSION CONTROL TECHNOLOGY IN HOT ROLLING MILLS. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2005</b> , 38, 37-44		1
32	Decision support system on the grid. <i>International Journal of Knowledge-Based and Intelligent Engineering Systems</i> , <b>2005</b> , 9, 315-326	0.5	1
31	The Response Surface Methodology for Real-time Distributed Simulation. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2001</b> , 34, 128-133		1
30	TOWARDS A CONTROL SOFTWARE DESIGN ENVIRONMENT USING A META-MODELLING TECHNIQUE. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2002</b> , 35, 255-260		1
29	Dependable, intelligent voting for real-time control software. <i>Engineering Applications of Artificial Intelligence</i> , <b>1995</b> , 8, 615-623	7.2	1
28	An efficient parallel implementation of a least squares problem. <i>Computing Systems in Engineering: an International Journal</i> , <b>1995</b> , 6, 313-318		1

27	Digital controller structures for fine- and medium-grain parallel processing architectures. <i>International Journal of Control</i> , <b>1991</b> , 54, 1413-1437	1.5	1
26	Fault-tolerant transputer arrays for gas turbine engine control. <i>Computing &amp; Control Engineering Journal</i> , <b>1991</b> , 2, 217		1
25	Risk Mining for Strategic Decision Making <b>2007</b> , 21-28		1
24	An Evolutionary Approach to Active Robust Multiobjective Optimisation. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 141-155	0.9	1
23	Real World System Architecture Design Using Multi-criteria Optimization: A Case Study. <i>Advances in Intelligent Systems and Computing</i> , <b>2013</b> , 245-260	0.4	1
22	Optimal Allocation of Distributed Generators in a Distribution Network Using Adaptive Multi-Objective Particle Swarm Optimization. <i>Lecture Notes in Electrical Engineering</i> , <b>2012</b> , 1707-1715	0.2	1
21	sParEGO A Hybrid Optimization Algorithm for Expensive Uncertain Multi-objective Optimization Problems. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 424-438	0.9	0
20	Staged combustion control design for aero engines. <i>Control Engineering Practice</i> , <b>2006</b> , 14, 387-396	3.9	0
19	A Service Oriented Architecture for Integration of Fault Diagnostics. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 146-157	0.9	0
18	Liger: A cross-platform open-source integrated optimization and decision-making environment. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 98, 106851	7.5	0
17	Real-Time Improved Power Management for Autonomous Systems. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2014</b> , 47, 2634-2639		
16	Neural Network Assisted Industrial PID Controllers Auto-Tuning. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>1997</b> , 30, 103-107		
15	Diagnosis of fuel pump measurement bias in gas turbine engines. <i>International Journal of Systems Science</i> , <b>2007</b> , 38, 643-650	2.3	
14	Nonlinear control system design using variable complexity modelling and multiobjective optimization. <i>Controle and Automacao</i> , <b>2006</b> , 17, 24-31		
13	Robust Control of a Gas Turbine With Variable Power Offtake <b>2006</b> , 919		
12	Multiobjective Optimisation Approach to Robust Controller Design. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2001</b> , 34, 111-116		
11	CONTROL CONFIGURATION DESIGN USING EVOLUTIONARY COMPUTING. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , <b>2002</b> , 35, 49-54		
10	Genetic algorithms for scheduling: incorporation of user preferences. <i>Transactions of the Institute of Measurement and Control</i> , <b>2000</b> , 22, 195-210	1.8	

- 9 Evolutionary Algorithms for Multiple Criteria Decision Making in Control. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **1998**, 31, 227-234
- 8 Performance optimization of gas turbine engines using the studga. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **1999**, 32, 3029-3034
- 7 A large-scale transputer network application: the aero-mechanical simulation of a single-rotor helicopter for control system design. *Transactions of the Institute of Measurement and Control*, **1994**, 16, 17-24 1.8
- 6 Computer Aided Design of Suboptimal Linear Regulators. *IFAC Postprint Volumes IPPV / International Federation of Automatic Control*, **1983**, 16, 409-415
- 5 Computation of optimal piecewise-linear feedback gains for linear regulators. *Electronics Letters*, **1978**, 14, 651 1.1
- 4 Algorithm for the reduction of sensitivity to parameter variations in the linear regulator. *Electronics Letters*, **1972**, 8, 50 1.1
- 3 Multiobjective GP for Human-Understandable Models: A Practical Application **2008**, 201-218
- 2 A Convergence Acceleration Technique for Multiobjective Optimisation. *Studies in Computational Intelligence*, **2009**, 183-205 0.8
- 1 Frequency-response identification of a linear helical reluctance motor. *IEE Proceedings B: Electric Power Applications*, **1985**, 132, 101