

# Dilip Kumar Pratihari

## List of Publications by Year in descending order

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Version: 2024-02-01

206  
papers

3,689  
citations

136950

32  
h-index

206112

48  
g-index

214  
all docs

214  
docs citations

214  
times ranked

2483  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bonobo optimizer (BO): an intelligent heuristic with self-adjusting parameters over continuous spaces and its applications to engineering problems. <i>Applied Intelligence</i> , 2022, 52, 2942-2974.	5.3	30
2	An approach towards energy and material efficient additive manufacturing: Multi-objective optimization of stellite-6 deposition on SS304. <i>Optics and Laser Technology</i> , 2022, 148, 107799.	4.6	15
3	Locomotion Modes and Environmental Features Recognition Using Laser Distance Sensors. <i>IEEE Sensors Journal</i> , 2022, 22, 4625-4633.	4.7	2
4	Modeling of beam divergence. <i>Optik</i> , 2022, 256, 168747.	2.9	1
5	Study of micro-porosity in electron beam butt welding. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 121, 4583-4600.	3.0	3
6	Earned benefit maximization in social networks under budget constraint. <i>Expert Systems With Applications</i> , 2021, 169, 114346.	7.6	5
7	Prediction of residual stress in electron beam welding of stainless steel from process parameters and natural frequency of vibrations using machine-learning algorithms. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 2008-2021.	2.1	21
8	A Locomotion Mode Adaptive Strategy for Real-Time Detection of Gait Events During Negotiating Staircases. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-8.	4.7	6
9	Weld optimisation. <i>Science and Technology of Welding and Joining</i> , 2021, 26, 181-195.	3.1	13
10	Solving engineering optimization problems using an improved real-coded genetic algorithm (IRGA) with directional mutation and crossover. <i>Soft Computing</i> , 2021, 25, 5455-5481.	3.6	19
11	Input-Output Modeling and Multi-objective Optimization of Weld Attributes in EBW. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 4087-4101.	3.0	5
12	Meta-Heuristic Algorithms-Tuned Elman vs. Jordan Recurrent Neural Networks for Modeling of Electron Beam Welding Process. <i>Neural Processing Letters</i> , 2021, 53, 1647-1663.	3.2	4
13	A study on determining optimal base location of a serial manipulator mounted on a hexapod mobile robot. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	1.6	5
14	A Novel Online Whole-Body Motion Planning Algorithm for Supervisory Control of a Legged Mobile Manipulator. <i>Journal of the Institution of Engineers (India): Series C</i> , 2021, 102, 563.	1.2	0
15	Evolving fuzzy reasoning approach using a novel nature-inspired optimization tool. <i>Expert Systems With Applications</i> , 2021, 170, 114577.	7.6	6
16	Experimental Investigation on Microstructure and Mechanical Properties of Laser-Welded Nb-1% Zr-0.1% C Alloy. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 8412-8425.	2.5	5
17	Experimental investigation and parametric optimization for minimization of dilution during direct laser metal deposition of tungsten carbide and cobalt powder mixture on SS304 substrate. <i>Powder Technology</i> , 2021, 390, 339-353.	4.2	22
18	Correlating the weld-bead's macro-, micro-features™ with the weld-pool's fluid flow™ for electron beam welded SS 201 plates. <i>International Journal of Mechanical Sciences</i> , 2021, 210, 106734.	6.7	4

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19	Maximizing the earned benefit in an incentivized social networking environment: a community-based approach. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2020, 11, 2539-2555.	4.9	3
20	A Geometry Recognition-Based Strategy for Locomotion Transitions Early Prediction of Prosthetic Devices. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 1259-1267.	4.7	10
21	A Study to Establish Equivalence of Thermal and Mechanical Loads. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 631-639.	3.0	0
22	Nature-Inspired Optimization Algorithm-Tuned Feed-Forward and Recurrent Neural Networks Using CFD-Based Phenomenological Model-Generated Data to Model the EBW Process. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 2779-2797.	3.0	13
23	Optimal Feet-Forces™ and Torque Distributions of Six-Legged Robot Maneuvering on Various Terrains. <i>Robotica</i> , 2020, 38, 1041-1063.	1.9	6
24	Effects of space charge on weld geometry and cooling rate during electron beam welding of stainless steel. <i>Optik</i> , 2020, 206, 163722.	2.9	7
25	Prediction of Step Length Using Neuro-Fuzzy Approach Suitable for Prosthesis Control. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 5658-5665.	4.7	9
26	Experimental investigations and parametric optimization of laser beam welding of NiTiInol sheets by metaheuristic techniques and desirability function analysis. <i>Optics and Laser Technology</i> , 2020, 124, 105982.	4.6	14
27	A comparative assessment of two designs of hip stem using rule-based simulation of combined osseointegration and remodelling. <i>Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine</i> , 2020, 234, 118-128.	1.8	11
28	Study on mechanical performance of laser-welded NiTiInol sheet. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2020, , 095440542093753.	2.4	2
29	Multi-objective Bonobo Optimizer (MOBO): an intelligent heuristic for multi-criteria optimization. <i>Knowledge and Information Systems</i> , 2020, 62, 4407-4444.	3.2	32
30	Establishing a Correlation Between Residual Stress and Natural Frequency of Vibration for Electron Beam Butt Weld of AISI 304 Stainless Steel. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 5769-5781.	3.0	11
31	Real-Time Detection of Actual and Early Gait Events During Level-Ground and Ramp Walking. <i>IEEE Sensors Journal</i> , 2020, 20, 8128-8136.	4.7	24
32	Study on mechanical and metallurgical properties of fiber laser welded Nb-1% Zr-0.1% C alloy. <i>Optics and Laser Technology</i> , 2020, 127, 106153.	4.6	11
33	Multi-body Dynamic Modeling of Multi-legged Robots. <i>Cognitive Intelligence and Robotics</i> , 2020, , .	0.6	2
34	A survey on influence maximization in a social network. <i>Knowledge and Information Systems</i> , 2020, 62, 3417-3455.	3.2	121
35	A Critical Study of Bead-on-Plate Laser Welding of Niobium Alloy PWC-11. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 397-404.	0.4	2
36	Multi-Legged Robots™A Review. <i>Cognitive Intelligence and Robotics</i> , 2020, , 11-32.	0.6	8

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37	Comparative Study of Feed-Forward and Recurrent Neural Networks in Modeling of Electron Beam Welding. Lecture Notes on Multidisciplinary Industrial Engineering, 2020, , 521-531.	0.6	5
38	A Study on Micro-tool and Micro-feature Fabrication in Micro-EDM. Lecture Notes on Multidisciplinary Industrial Engineering, 2020, , 191-202.	0.6	0
39	Multi-body Inverse Dynamic Modeling and Analysis of Six-Legged Robots. Cognitive Intelligence and Robotics, 2020, , 77-135.	0.6	0
40	Effect of Amplitude Oscillation on Spiking in Electron Beam Welding of Copper Plate. Lecture Notes in Mechanical Engineering, 2020, , 405-411.	0.4	2
41	Moving object detection for humanoid navigation in cluttered dynamic indoor environments using a confidence tracking approach. , 2020, ,		0
42	Effects of process parameters on the quality aspects of weld-bead in laser welding of NiTiInol sheets. Materials and Manufacturing Processes, 2019, 34, 648-659.	4.7	30
43	ComBIM: A community-based solution approach for the Budgeted Influence Maximization Problem. Expert Systems With Applications, 2019, 125, 1-13.	7.6	53
44	Optimal preventive maintenance interval for a Crankshaft balancing machine under reliability constraint using Bonobo Optimizer. Mechanisms and Machine Science, 2019, , 1659-1668.	0.5	4
45	Effects of Heat Input on Weld-Bead Geometry, Surface Chemical Composition, Corrosion Behavior and Thermal Properties of Fiber Laser-Welded Nitinol Shape Memory Alloy. Journal of Materials Engineering and Performance, 2019, 28, 2754-2763.	2.5	13
46	An optimization-based decision tree approach for predicting slip-trip-fall accidents at work. Safety Science, 2019, 118, 57-69.	4.9	55
47	Design and Analysis of a Novel Lightweight, Energy Economic Powered Knee Orthotic Device. Journal of Medical Devices, Transactions of the ASME, 2019, 13, .	0.7	3
48	Reporting cell planning-based cellular mobility management using a Binary Artificial Bat algorithm. Heliyon, 2019, 5, e01276.	3.2	10
49	A novel approach for neuro-fuzzy system-based multi-objective optimization to capture inherent fuzziness in engineering processes. Knowledge-Based Systems, 2019, 175, 1-11.	7.1	14
50	Maximizing the Earned Benefit in an Incentivized Social Networking Environment. , 2019, , .		5
51	A fission-fusion (FF) selection scheme for genetic algorithms. , 2019, , .		0
52	A New Bonobo optimizer (BO) for Real-Parameter optimization. , 2019, , .		27
53	A review on micro-electron beam welding with a modernized SEM: Process, applications, trends and future prospect. Journal of Micromanufacturing, 2019, 2, 220-225.	1.1	2
54	Study on feet forces' distributions, energy consumption and dynamic stability measure of hexapod robot during crab walking. Applied Mathematical Modelling, 2019, 65, 717-744.	4.2	21

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55	Study on kinematics and inverse dynamics of legged mobile manipulator for determining feet-terrain reaction forces and joint torques. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 3117-3136.	2.1	1
56	A directional crossover (DX) operator for real parameter optimization using genetic algorithm. Applied Intelligence, 2019, 49, 1841-1865.	5.3	22
57	Performance improvement of a genetic algorithm using a novel restart strategy with elitism principle. International Journal of Hybrid Intelligent Systems, 2019, 15, 1-15.	1.2	7
58	A New Search Space Reduction Technique for Genetic Algorithms. Advances in Intelligent Systems and Computing, 2019, , 111-119.	0.6	3
59	Coordinated Motion Planning of Legged Mobile Manipulator for Tracking the Given End-Effector's Trajectory. , 2019, , .		1
60	Design and Development of a Six-legged Mobile Manipulator for Education and Research (SiMMER). , 2019, , .		1
61	A novel energy efficient powered ankle prosthesis using four-bar controlled compliant actuator. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 4664-4675.	2.1	10
62	Phenomenological model-based study on electron beam welding process, and input-output modeling using neural networks trained by back-propagation algorithm, genetic algorithms, particle swarm optimization algorithm and bat algorithm. Applied Intelligence, 2018, 48, 2698-2718.	5.3	37
63	An integrated fuzzy multiple criteria supplier selection approach and its application in a welding company. Journal of Manufacturing Systems, 2018, 46, 163-178.	13.9	51
64	Multi-sensors data fusion through fuzzy clustering and predictive tools. Expert Systems With Applications, 2018, 107, 165-172.	7.6	35
65	A Novel Restart Strategy for Solving Complex Multi-modal Optimization Problems Using Real-Coded Genetic Algorithm. Advances in Intelligent Systems and Computing, 2018, , 32-41.	0.6	6
66	Detection and quantitative assessment of corrosion on pipelines through image analysis. Procedia Computer Science, 2018, 133, 804-811.	2.0	47
67	Finite Element Analysis to Determine Residual Stress in Electron Beam Welding of CuCrZr alloy Plates and Experimental Validation. Materials Today: Proceedings, 2018, 5, 19321-19329.	1.8	3
68	Electron beam butt welding of Cu-Cr-Zr alloy plates: Experimental investigations, studies on metallurgical and mechanical properties. Fusion Engineering and Design, 2018, 137, 209-220.	1.9	10
69	Forward and inverse predictions of deformations in laser forming of shaped surfaces under coupling mechanism. Journal of Laser Applications, 2018, 30, .	1.7	10
70	A Direction-Based Exponential Mutation Operator for Real-Coded Genetic Algorithm. , 2018, , .		9
71	Effects of Welding Parameters on Mechanical Properties in Electron Beam Welded CuCrZr Alloy Plates. IOP Conference Series: Materials Science and Engineering, 2018, 338, 012013.	0.6	4
72	Cooling rate predictions and its correlation with grain characteristics during electron beam welding of stainless steel. International Journal of Advanced Manufacturing Technology, 2018, 97, 2241-2254.	3.0	26

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73	Multi-Objective Optimization and Cluster-Wise Regression Analysis to Establish Input-Output Relationships of a Process. , 2018, , 299-318.		4
74	A novel supervisory control scheme to tackle variations in step length for walking with powered ankle prosthesis. Biomedical Signal Processing and Control, 2018, 46, 212-220.	5.7	5
75	A New Form of Fuzzy Reasoning Tool to Ensure Both Accuracy and Readability. Advances in Intelligent Systems and Computing, 2018, , 54-65.	0.6	2
76	A review on applications of soft computing in design and development of intelligent autonomous robots. International Journal of Hybrid Intelligent Systems, 2017, 14, 49-65.	1.2	3
77	Algorithms for projecting a bipartite network. , 2017, , .		1
78	Properties of a projected network of a bipartite network. , 2017, , .		19
79	Recurrent neural networks to model input-output relationships of metal inert gas (MIG) welding process. International Journal of Data Analysis Techniques and Strategies, 2017, 9, 248.	0.2	5
80	Top-N Recommendation using Bi-Level Collaborative Filtering. , 2017, , .		0
81	Modelling of input-output relationships of metal inert gas welding process using soft computing-based approaches. International Journal of Computational Intelligence Studies, 2017, 6, 1.	0.3	1
82	Recurrent neural networks to model input-output relationships of metal inert gas (MIG) welding process. International Journal of Data Analysis Techniques and Strategies, 2017, 9, 248.	0.2	1
83	Estimation of Joint Torque and Power Consumption During Sit-to-Stand Motion of Human-being Using a Genetic Algorithm. Procedia Computer Science, 2016, 96, 1497-1506.	2.0	12
84	Fuzzy logic-based group formation control of multiple wheeled robots. , 2016, , .		3
85	Inverse dynamics learned gait planning of an exoskeleton to negotiate uneven terrains using neural networks. International Journal of Hybrid Intelligent Systems, 2016, 13, 49-62.	1.2	0
86	Effects of interfacial conditions on shape optimization of cementless hip stem: an investigation based on a hybrid framework. Structural and Multidisciplinary Optimization, 2016, 53, 1143-1155.	3.5	8
87	Task allocation and collision-free path planning of centralized multi-robots system for industrial plant inspection using heuristic methods. Robotics and Autonomous Systems, 2016, 80, 34-42.	5.1	110
88	Inverse Dynamics and Feet-Terrain Collision Model for Optimal Distribution of the Contact Forces During Crab Motion of a Hexapod Robot. Lecture Notes in Mechanical Engineering, 2016, , 85-95.	0.4	0
89	Experimental investigations, input-output modeling and optimization for electron beam welding of Cu-Cr-Zr alloy plates. International Journal of Advanced Manufacturing Technology, 2016, 85, 711-726.	3.0	27
90	Experimental investigations, modeling, and optimization of multi-scan laser forming of AISI 304 stainless steel sheet. International Journal of Advanced Manufacturing Technology, 2016, 83, 1441-1455.	3.0	25

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91	A combined neural network and genetic algorithm based approach for optimally designed femoral implant having improved primary stability. Applied Soft Computing Journal, 2016, 38, 296-307.	7.2	33
92	Realizing the Need for Intelligent Optimization Tool. Advances in Computational Intelligence and Robotics Book Series, 2016, , 1-9.	0.4	3
93	Design and development of board cleaning serial manipulator: Board cleaning manipulator. , 2015, , .		1
94	Effects of Electron Beam Welding on Microstructure, Microhardness, and Electrical Conductivity of Cu-Cr-Zr Alloy Plates. Journal of Materials Engineering and Performance, 2015, 24, 4681-4690.	2.5	9
95	Energy-efficient inverse dynamic model of a Hexapod robot. , 2015, , .		8
96	A Genetic Algorithm Based Multi-Objective Shape Optimization Scheme for Cementless Femoral Implant. Journal of Biomechanical Engineering, 2015, 137, .	1.3	21
97	Analysis of double support phase of biped robot and multi-objective optimization using genetic algorithm and particle swarm optimization algorithm. Sadhana - Academy Proceedings in Engineering Sciences, 2015, 40, 549-575.	1.3	9
98	Joint optimization of preventive maintenance and spare parts inventory using genetic algorithms and particle swarm optimization algorithm. International Journal of Systems Assurance Engineering and Management, 2015, 6, 248-258.	2.4	17
99	Expert systems in manufacturing processes using soft computing. International Journal of Advanced Manufacturing Technology, 2015, 81, 887-896.	3.0	17
100	Towards the optimal design of an uncemented acetabular component using genetic algorithms. Engineering Optimization, 2015, 47, 1587-1601.	2.6	7
101	Computer aided modeling and analysis of turning motion of hexapod robot on varying terrains. International Journal of Mechanics and Materials in Design, 2015, 11, 309-336.	3.0	10
102	Numerical and Experimental Studies on Pulsed Laser Forming of Sheet Metal. Topics in Mining, Metallurgy and Materials Engineering, 2015, , 55-67.	1.6	3
103	Modelling of weld-bead geometry and hardness profile in laser welding of plain carbon steel using neural networks and genetic algorithms. International Journal of Computer Integrated Manufacturing, 2014, 27, 656-674.	4.6	30
104	MODELING OF INPUT-OUTPUT RELATIONSHIPS FOR ELECTRON BEAM BUTT WELDING OF DISSIMILAR MATERIALS USING NEURAL NETWORKS. International Journal of Computational Intelligence and Applications, 2014, 13, 1450016.	0.8	2
105	Knowledge-based systems using neural networks for electron beam welding process of reactive material (Zircaloy-4). Journal of Intelligent Manufacturing, 2014, 25, 1315-1333.	7.3	25
106	Kinematics, Dynamics and Power Consumption Analyses for Turning Motion of a Six-Legged Robot. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 74, 663-688.	3.4	49
107	Laser forming of a dome shaped surface: Experimental investigations, statistical analysis and neural network modeling. Optics and Lasers in Engineering, 2014, 53, 31-42.	3.8	49
108	Optimization of variable demand fuzzy economic order quantity inventory models without and with backordering. Computers and Industrial Engineering, 2014, 78, 148-162.	6.3	25

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109	Modeling of plasma spray coating process using statistical regression analysis. International Journal of Advanced Manufacturing Technology, 2013, 65, 967-980.	3.0	31
110	Finite Element Analysis and Experimental Investigations on Laser Bending of AISI304 Stainless Steel Sheet. Procedia Engineering, 2013, 64, 528-535.	1.2	11
111	Hierarchical adaptive neuro-fuzzy inference systems trained by evolutionary algorithms to model plasma spray coating process. Journal of Intelligent and Fuzzy Systems, 2013, 24, 355-362.	1.4	9
112	Analysis and synthesis of laser forming process using neural networks and neuro-fuzzy inference system. Soft Computing, 2013, 17, 849-865.	3.6	29
113	Dynamic modeling, stability and energy consumption analysis of a realistic six-legged walking robot. Robotics and Computer-Integrated Manufacturing, 2013, 29, 400-416.	9.9	46
114	Automatic classification of vertical counter-current two-phase flow by capturing hydrodynamic characteristics through objective descriptions. International Journal of Multiphase Flow, 2013, 52, 102-120.	3.4	34
115	Experimental investigations and statistical analysis of pulsed laser bending of AISI 304 stainless steel sheet. Optics and Laser Technology, 2013, 49, 18-27.	4.6	46
116	SOME STUDIES ON DATA MINING. , 2013, , 61-80.		0
117	Adaptive neuro-fuzzy expert systems for predicting specific energy consumption and energy stability margin in crab walking of six-legged robots. Journal of Intelligent and Fuzzy Systems, 2013, 24, 467-482.	1.4	8
118	Fuzzy Logic-Based Techniques for Modeling the Correlation between the Weld Bead Dimension and the Process Parameters in MIG Welding. International Journal of Manufacturing Engineering, 2013, 2013, 1-17.	0.8	3
119	Evolutionary neural networks for strategic bidding in electricity markets. International Journal of Energy Sector Management, 2012, 6, 321-342.	2.3	3
120	Modeling of input-output relationships for a plasma spray coating process using soft computing tools. Applied Soft Computing Journal, 2012, 12, 3356-3368.	7.2	25
121	Identification of flow regimes using conductivity probe signals and neural networks for counter-current gas-liquid two-phase flow. Chemical Engineering Science, 2012, 84, 417-436.	3.8	67
122	Fuzzy clustering of mechanisms. Sadhana - Academy Proceedings in Engineering Sciences, 2012, 37, 539-556.	1.3	2
123	Soft computing-based approaches to predict energy consumption and stability margin of six-legged robots moving on gradient terrains. Applied Intelligence, 2012, 37, 31-46.	5.3	7
124	Soft computing-based expert systems to predict energy consumption and stability margin in turning gaits of six-legged robots. Expert Systems With Applications, 2012, 39, 5460-5469.	7.6	9
125	Effects of turning gait parameters on energy consumption and stability of a six-legged walking robot. Robotics and Autonomous Systems, 2012, 60, 72-82.	5.1	78
126	Inverse estimation of location of internal heat source in conduction. Inverse Problems in Science and Engineering, 2011, 19, 337-361.	1.2	11



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127	Tuning of neural networks using particle swarm optimization to model MIG welding process. Swarm and Evolutionary Computation, 2011, 1, 223-235.	8.1	76
128	Dynamic modeling and energy consumption analysis of crab walking of a six-legged robot. , 2011, , .		13
129	Study on electron beam butt welding of austenitic stainless steel 304 plates and its inputâ€“output modelling using neural networks. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2011, 225, 2051-2070.	2.4	25
130	Dynamic Modeling, Stability and Energy Consumption Analysis of Turning Motion of Realistic Hexapod Walking Robots. , 2011, , .		0
131	Genetic algorithm-tuned entropy-based fuzzy C-means algorithm for obtaining distinct and compact clusters. Fuzzy Optimization and Decision Making, 2011, 10, 153-166.	5.5	22
132	Three-dimensional finite element analysis of multi-stage hot forming of railway wheels. International Journal of Advanced Manufacturing Technology, 2011, 53, 301-312.	3.0	16
133	Neural network-based expert systems for predictions of temperature distributions in electron beam welding process. International Journal of Advanced Manufacturing Technology, 2011, 55, 535-548.	3.0	19
134	Estimation of optimal feet forces and joint torques for on-line control of six-legged robot. Robotics and Computer-Integrated Manufacturing, 2011, 27, 910-917.	9.9	35
135	Balanced gait generations of a two-legged robot on sloping surface. Sadhana - Academy Proceedings in Engineering Sciences, 2011, 36, 525-550.	1.3	10
136	Modeling of Electrical Discharge Machining Process Using Conventional Regression Analysis and Genetic Algorithms. Journal of Materials Engineering and Performance, 2011, 20, 1121-1127.	2.5	31
137	Optimum stacking pattern for multi-stream plate-fin heat exchanger through a genetic algorithm. International Journal of Thermal Sciences, 2011, 50, 214-224.	4.9	43
138	Expert system to predict forging load and axial stress. Applied Soft Computing Journal, 2011, 11, 744-753.	7.2	14
139	Near-optimal gait generations of a two-legged robot on rough terrains using soft computing. Robotics and Computer-Integrated Manufacturing, 2011, 27, 521-530.	9.9	7
140	Modeling and Analysis of Sodium Silicate-Bonded Moulding Sand System Using Design of Experiments and Response Surface Methodology. Journal for Manufacturing Science and Production, 2011, 11, 1-14.	0.1	5
141	Reply to Comments on â€œOptimum Design of a Two Step Planar Diffuser: A Hybrid Approachâ€• Engineering Applications of Computational Fluid Mechanics, 2010, 4, 624-624.	3.1	0
142	A hybrid computing scheme for shape optimisation in thermo-fluid problems. International Journal of Computational Intelligence Studies, 2010, 1, 207.	0.3	0
143	A hybrid computing scheme for forward and reverse mappings of metal inert gas welding process. International Journal of Computational Intelligence Studies, 2010, 1, 256.	0.3	3
144	Modelling of electrical discharge machining process using regression analysis, adaptive neuro-fuzzy inference system and genetic algorithm. International Journal of Data Mining, Modelling and Management, 2010, 2, 75.	0.1	9

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145	Forward and reverse modeling of electron beam welding process using radial basis function neural networks. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2010, 14, 201-215.	1.0	8
146	Optimization and prediction of weldment profile in bead-on-plate welding of Al-1100 plates using electron beam. International Journal of Advanced Manufacturing Technology, 2010, 48, 513-528.	3.0	28
147	Statistical modeling of psychosis data. Computer Methods and Programs in Biomedicine, 2010, 100, 222-236.	4.7	9
148	Dynamically balanced optimal gaits of a ditch-crossing biped robot. Robotics and Autonomous Systems, 2010, 58, 349-361.	5.1	28
149	Forward and reverse mappings of electrical discharge machining process using adaptive network-based fuzzy inference system. Expert Systems With Applications, 2010, 37, 8566-8574.	7.6	44
150	Optimum Design of a Two Step Planar Diffuser: A Hybrid Approach. Engineering Applications of Computational Fluid Mechanics, 2010, 4, 415-424.	3.1	6
151	Towards Developing Intelligent Autonomous Systems in Psychiatry: Its Present State and Future Possibilities. Studies in Computational Intelligence, 2010, , 143-166.	0.9	6
152	Towards Intelligent Autonomous Systems. Studies in Computational Intelligence, 2010, , 1-4.	0.9	3
153	Gait Planning of Biped Robots Using Soft Computing: An Attempt to Incorporate Intelligence. Studies in Computational Intelligence, 2010, , 57-85.	0.9	4
154	Dynamic Modeling of Energy Efficient Hexapod Robot's Locomotion over Gradient Terrains. Communications in Computer and Information Science, 2010, , 138-145.	0.5	1
155	Hybrid Optimization Scheme for Radial Basis Function Neural Network. Lecture Notes in Computer Science, 2010, , 613-622.	1.3	1
156	Design and Development of Intelligent Autonomous Robots. Studies in Computational Intelligence, 2010, , 29-56.	0.9	0
157	Modeling of metal inert gas welding process using radial basis function neural networks. , 2009, , .		1
158	Forward and reverse mappings of the tungsten inert gas welding process using radial basis function neural networks. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2009, 223, 1575-1590.	2.4	12
159	Optimization of bead geometry in electron beam welding using a Genetic Algorithm. Journal of Materials Processing Technology, 2009, 209, 1151-1157.	6.3	100
160	A comparative study on some navigation schemes of a real robot tackling moving obstacles. Robotics and Computer-Integrated Manufacturing, 2009, 25, 810-828.	9.9	48
161	Soft computing-based gait planners for a dynamically balanced biped robot negotiating sloping surfaces. Applied Soft Computing Journal, 2009, 9, 191-208.	7.2	31
162	Fuzzy-Logic-Based Screening and Prediction of Adult Psychoses: A Novel Approach. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2009, 39, 381-387.	2.9	22

#	ARTICLE	IF	CITATIONS
163	Design of cluster-wise optimal fuzzy logic controllers to model input-output relationships of some manufacturing processes. International Journal of Data Mining, Modelling and Management, 2009, 1, 178.	0.1	2
164	Soft Computing-Based Navigation Schemes for a Real Wheeled Robot Moving Among Static Obstacles. Journal of Intelligent and Robotic Systems: Theory and Applications, 2008, 51, 333-368.	3.4	3
165	Modeling of the MIG welding process using statistical approaches. International Journal of Advanced Manufacturing Technology, 2008, 35, 1166-1190.	3.0	43
166	Modeling of TIG welding and abrasive flow machining processes using radial basis function networks. International Journal of Advanced Manufacturing Technology, 2008, 37, 937-952.	3.0	23
167	Linear and Non-linear Modeling of Cement-bonded Moulding Sand System Using Conventional Statistical Regression Analysis. Journal of Materials Engineering and Performance, 2008, 17, 472-481.	2.5	17
168	Developing fuzzy classifiers to predict the chance of occurrence of adult psychoses. Knowledge-Based Systems, 2008, 21, 479-497.	7.1	20
169	Forward and reverse mappings in green sand mould system using neural networks. Applied Soft Computing Journal, 2008, 8, 239-260.	7.2	44
170	Prediction of Weld Bead Profile Using Neural Networks. , 2008, , .		3
171	Neural Network-Based Approaches for Forward and Reverse Mappings of Sodium Silicate-Bonded, Carbon Dioxide Gas Hardened Moulding Sand System. Materials and Manufacturing Processes, 2008, 24, 59-67.	4.7	24
172	Camera calibration using a genetic algorithm. Engineering Optimization, 2008, 40, 1151-1169.	2.6	11
173	Dynamically Balanced Ascending Gait Generation of a Biped Robot Negotiating Staircase. , 2008, , .		0
174	An Approach for 3D Reconstruction of Environment Using Stereo-Vision System. , 2008, , .		1
175	Inverse dynamics learned gait planner for a two-legged robot moving on uneven terrains using neural networks. International Journal of Advanced Intelligence Paradigms, 2008, 1, 80.	0.3	3
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