

# Dilip Kumar Pratihar

## List of Publications by Citations

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198  
papers

2,580  
citations

28  
h-index

39  
g-index

214  
ext. papers

3,144  
ext. citations

3  
avg, IF

5.83  
L-index

#	Paper	IF	Citations
198	Optimization of bead geometry in electron beam welding using a Genetic Algorithm. <i>Journal of Materials Processing Technology</i> , <b>2009</b> , 209, 1151-1157	5.3	87
197	A genetic-fuzzy approach for mobile robot navigation among moving obstacles. <i>International Journal of Approximate Reasoning</i> , <b>1999</b> , 20, 145-172	3.6	80
196	Modeling of TIG welding process using conventional regression analysis and neural network-based approaches. <i>Journal of Materials Processing Technology</i> , <b>2007</b> , 184, 56-68	5.3	73
195	Time-optimal, collision-free navigation of a car-like mobile robot using neuro-fuzzy approaches. <i>Fuzzy Sets and Systems</i> , <b>2006</b> , 157, 2171-2204	3.7	72
194	Task allocation and collision-free path planning of centralized multi-robots system for industrial plant inspection using heuristic methods. <i>Robotics and Autonomous Systems</i> , <b>2016</b> , 80, 34-42	3.5	70
193	Effects of turning gait parameters on energy consumption and stability of a six-legged walking robot. <i>Robotics and Autonomous Systems</i> , <b>2012</b> , 60, 72-82	3.5	56
192	Tuning of neural networks using particle swarm optimization to model MIG welding process. <i>Swarm and Evolutionary Computation</i> , <b>2011</b> , 1, 223-235	9.8	55
191	A survey on influence maximization in a social network. <i>Knowledge and Information Systems</i> , <b>2020</b> , 62, 3417-3455	2.4	49
190	Identification of flow regimes using conductivity probe signals and neural networks for counter-current gas-liquid two-phase flow. <i>Chemical Engineering Science</i> , <b>2012</b> , 84, 417-436	4.4	48
189	Optimal path and gait generations simultaneously of a six-legged robot using a GA-fuzzy approach. <i>Robotics and Autonomous Systems</i> , <b>2002</b> , 41, 1-20	3.5	44
188	Forward and reverse mappings of electrical discharge machining process using adaptive network-based fuzzy inference system. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 8566-8574	7.8	42
187	Experimental investigations and statistical analysis of pulsed laser bending of AISI 304 stainless steel sheet. <i>Optics and Laser Technology</i> , <b>2013</b> , 49, 18-27	4.2	41
186	Global versus cluster-wise regression analyses for prediction of bead geometry in MIG welding process. <i>Journal of Materials Processing Technology</i> , <b>2007</b> , 189, 352-366	5.3	40
185	Forward and reverse mappings in green sand mould system using neural networks. <i>Applied Soft Computing Journal</i> , <b>2008</b> , 8, 239-260	7.5	40
184	Optimum stacking pattern for multi-stream plate-fin heat exchanger through a genetic algorithm. <i>International Journal of Thermal Sciences</i> , <b>2011</b> , 50, 214-224	4.1	39
183	Laser forming of a dome shaped surface: Experimental investigations, statistical analysis and neural network modeling. <i>Optics and Lasers in Engineering</i> , <b>2014</b> , 53, 31-42	4.6	38
182	An optimization-based decision tree approach for predicting slip-trip-fall accidents at work. <i>Safety Science</i> , <b>2019</b> , 118, 57-69	5.8	36

181	Kinematics, Dynamics and Power Consumption Analyses for Turning Motion of a Six-Legged Robot. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , <b>2014</b> , 74, 663-688	2.9	36
180	Linear and non-linear statistical modelling of green sand mould system. <i>International Journal of Cast Metals Research</i> , <b>2007</b> , 20, 1-13	1	36
179	An integrated fuzzy multiple criteria supplier selection approach and its application in a welding company. <i>Journal of Manufacturing Systems</i> , <b>2018</b> , 46, 163-178	9.1	35
178	Optimization of CNC isoscallop free form surface machining using a genetic algorithm. <i>International Journal of Machine Tools and Manufacture</i> , <b>2006</b> , 46, 811-819	9.4	34
177	Dynamic modeling, stability and energy consumption analysis of a realistic six-legged walking robot. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2013</b> , 29, 400-416	9.2	32
176	A comparative study on some navigation schemes of a real robot tackling moving obstacles. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2009</b> , 25, 810-828	9.2	32
175	Design of a genetic-fuzzy system to predict surface finish and power requirement in grinding. <i>Fuzzy Sets and Systems</i> , <b>2004</b> , 148, 487-504	3.7	32
174	ComBIM: A community-based solution approach for the Budgeted Influence Maximization Problem. <i>Expert Systems With Applications</i> , <b>2019</b> , 125, 1-13	7.8	31
173	Modeling of the MIG welding process using statistical approaches. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2008</b> , 35, 1166-1190	3.2	31
172	Automatic design of fuzzy logic controller using a genetic algorithm to predict power requirement and surface finish in grinding. <i>Journal of Materials Processing Technology</i> , <b>2004</b> , 148, 288-300	5.3	30
171	On-line stable gait generation of a two-legged robot using a genetic fuzzy system. <i>Robotics and Autonomous Systems</i> , <b>2005</b> , 53, 15-35	3.5	30
170	Evolutionary robotics: A review. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>2003</b> , 28, 999-1009	10.9	28
169	Analysis and synthesis of laser forming process using neural networks and neuro-fuzzy inference system. <i>Soft Computing</i> , <b>2013</b> , 17, 849-865	3.5	27
168	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. <i>Applied Intelligence</i> , <b>2018</b> , 48, 2698-2718	4.9	26
167	Automatic classification of vertical counter-current two-phase flow by capturing hydrodynamic characteristics through objective descriptions. <i>International Journal of Multiphase Flow</i> , <b>2013</b> , 52, 102-120	3.6	26
166	Modelling of weld-bead geometry and hardness profile in laser welding of plain carbon steel using neural networks and genetic algorithms. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2014</b> , 27, 656-674	4.3	26
165	A combined neural network and genetic algorithm based approach for optimally designed femoral implant having improved primary stability. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 38, 296-307	7.5	25
164	Estimation of optimal feet forces and joint torques for on-line control of six-legged robot. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2011</b> , 27, 910-917	9.2	25

163	Experimental investigations, input-output modeling and optimization for electron beam welding of Cu-Cr-Zr alloy plates. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2016</b> , 85, 711-726	3.2	23
162	Modeling of plasma spray coating process using statistical regression analysis. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2013</b> , 65, 967-980	3.2	23
161	Modeling of Electrical Discharge Machining Process Using Conventional Regression Analysis and Genetic Algorithms. <i>Journal of Materials Engineering and Performance</i> , <b>2011</b> , 20, 1121-1127	1.6	23
160	Non-linear modelling using central composite design to predict green sand mould properties. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2007</b> , 221, 881-895	2.4	23
159	FUZZY-GENETIC ALGORITHMS AND TIME-OPTIMAL OBSTACLE-FREE PATH GENERATION FOR MOBILE ROBOTS. <i>Engineering Optimization</i> , <b>1999</b> , 32, 117-142	2	23
158	Study on electron beam butt welding of austenitic stainless steel 304 plates and its input/output modelling using neural networks. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2011</b> , 225, 2051-2070	2.4	22
157	Soft computing-based gait planners for a dynamically balanced biped robot negotiating sloping surfaces. <i>Applied Soft Computing Journal</i> , <b>2009</b> , 9, 191-208	7.5	22
156	Dynamically balanced optimal gaits of a ditch-crossing biped robot. <i>Robotics and Autonomous Systems</i> , <b>2010</b> , 58, 349-361	3.5	22
155	Multi-sensors data fusion through fuzzy clustering and predictive tools. <i>Expert Systems With Applications</i> , <b>2018</b> , 107, 165-172	7.8	21
154	Knowledge-based systems using neural networks for electron beam welding process of reactive material (Zircaloy-4). <i>Journal of Intelligent Manufacturing</i> , <b>2014</b> , 25, 1315-1333	6.7	21
153	Optimization and prediction of weldment profile in bead-on-plate welding of Al-1100 plates using electron beam. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2010</b> , 48, 513-528	3.2	21
152	Neural Network-Based Approaches for Forward and Reverse Mappings of Sodium Silicate-Bonded, Carbon Dioxide Gas Hardened Moulding Sand System. <i>Materials and Manufacturing Processes</i> , <b>2008</b> , 24, 59-67	4.1	21
151	Modeling of TIG welding and abrasive flow machining processes using radial basis function networks. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2008</b> , 37, 937-952	3.2	21
150	Cooling rate predictions and its correlation with grain characteristics during electron beam welding of stainless steel. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2018</b> , 97, 2241-2254	3.2	19
149	Optimization of variable demand fuzzy economic order quantity inventory models without and with backordering. <i>Computers and Industrial Engineering</i> , <b>2014</b> , 78, 148-162	6.4	19
148	Modeling of input/output relationships for a plasma spray coating process using soft computing tools. <i>Applied Soft Computing Journal</i> , <b>2012</b> , 12, 3356-3368	7.5	19
147	Genetic algorithm-tuned entropy-based fuzzy C-means algorithm for obtaining distinct and compact clusters. <i>Fuzzy Optimization and Decision Making</i> , <b>2011</b> , 10, 153-166	5.1	19
146	DYNAMICALLY BALANCED ASCENDING AND DESCENDING GAITS OF A TWO-LEGGED ROBOT. <i>International Journal of Humanoid Robotics</i> , <b>2007</b> , 04, 717-751	1.2	18

145	Modelling of input-output relationships in cement bonded moulding sand system using neural networks. <i>International Journal of Cast Metals Research</i> , <b>2007</b> , 20, 265-274	1	18
144	A genetic algorithm based multi-objective shape optimization scheme for cementless femoral implant. <i>Journal of Biomechanical Engineering</i> , <b>2015</b> , 137,	2.1	17
143	Experimental investigations, modeling, and optimization of multi-scan laser forming of AISI 304 stainless steel sheet. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2016</b> , 83, 1441-1455	3.2	17
142	Linear and Non-linear Modeling of Cement-bonded Moulding Sand System Using Conventional Statistical Regression Analysis. <i>Journal of Materials Engineering and Performance</i> , <b>2008</b> , 17, 472-481	1.6	17
141	Optimal turning gait of a six-legged robot using a GA-fuzzy approach. <i>Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM</i> , <b>2000</b> , 14, 207-219	1.3	17
140	Detection and quantitative assessment of corrosion on pipelines through image analysis. <i>Procedia Computer Science</i> , <b>2018</b> , 133, 804-811	1.6	17
139	Effects of process parameters on the quality aspects of weld-bead in laser welding of NiTiInol sheets. <i>Materials and Manufacturing Processes</i> , <b>2019</b> , 34, 648-659	4.1	16
138	Real-Time Detection of Actual and Early Gait Events During Level-Ground and Ramp Walking. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 8128-8136	4	16
137	. <i>IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans</i> , <b>2009</b> , 39, 381-387		16
136	Fuzzy logic-based expert system to predict the results of finite element analysis. <i>Knowledge-Based Systems</i> , <b>2007</b> , 20, 37-50	7.3	16
135	Developing fuzzy classifiers to predict the chance of occurrence of adult psychoses. <i>Knowledge-Based Systems</i> , <b>2008</b> , 21, 479-497	7.3	16
134	Expert systems in manufacturing processes using soft computing. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2015</b> , 81, 887-896	3.2	15
133	Neural network-based expert systems for predictions of temperature distributions in electron beam welding process. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2011</b> , 55, 535-548	3.2	15
132	A directional crossover (DX) operator for real parameter optimization using genetic algorithm. <i>Applied Intelligence</i> , <b>2019</b> , 49, 1841-1865	4.9	15
131	An expert system based on FBFN using a GA to predict surface finish in ultra-precision turning. <i>Journal of Materials Processing Technology</i> , <b>2004</b> , 155-156, 1150-1156	5.3	14
130	A New Bonobo optimizer (BO) for Real-Parameter optimization <b>2019</b> ,		14
129	Joint optimization of preventive maintenance and spare parts inventory using genetic algorithms and particle swarm optimization algorithm. <i>International Journal of Systems Assurance Engineering and Management</i> , <b>2015</b> , 6, 248-258	1.3	13
128	Three-dimensional finite element analysis of multi-stage hot forming of railway wheels. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2011</b> , 53, 301-312	3.2	13

127	Some studies on fuzzy clustering of psychosis data. <i>International Journal of Business Intelligence and Data Mining</i> , <b>2007</b> , 2, 143	0.3	13
126	Study on feet forces' distributions, energy consumption and dynamic stability measure of hexapod robot during crab walking. <i>Applied Mathematical Modelling</i> , <b>2019</b> , 65, 717-744	4.5	13
125	A novel approach for neuro-fuzzy system-based multi-objective optimization to capture inherent fuzziness in engineering processes. <i>Knowledge-Based Systems</i> , <b>2019</b> , 175, 1-11	7.3	12
124	Forward and reverse mappings of the tungsten inert gas welding process using radial basis function neural networks. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , <b>2009</b> , 223, 1575-1590	2.4	12
123	Expert system to predict forging load and axial stress. <i>Applied Soft Computing Journal</i> , <b>2011</b> , 11, 744-753	7.5	12
122	Finite Element Analysis and Experimental Investigations on Laser Bending of AISI304 Stainless Steel Sheet. <i>Procedia Engineering</i> , <b>2013</b> , 64, 528-535		10
121	Camera calibration using a genetic algorithm. <i>Engineering Optimization</i> , <b>2008</b> , 40, 1151-1169	2	10
120	Dynamic modeling and energy consumption analysis of crab walking of a six-legged robot <b>2011</b> ,		9
119	Balanced gait generations of a two-legged robot on sloping surface. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>2011</b> , 36, 525-550	1	9
118	Estimation of Joint Torque and Power Consumption During Sit-to-Stand Motion of Human-being Using a Genetic Algorithm. <i>Procedia Computer Science</i> , <b>2016</b> , 96, 1497-1506	1.6	9
117	Effects of Heat Input on Weld-Bead Geometry, Surface Chemical Composition, Corrosion Behavior and Thermal Properties of Fiber Laser-Welded Nitinol Shape Memory Alloy. <i>Journal of Materials Engineering and Performance</i> , <b>2019</b> , 28, 2754-2763	1.6	8
116	Effects of Electron Beam Welding on Microstructure, Microhardness, and Electrical Conductivity of Cu-Cr-Zr Alloy Plates. <i>Journal of Materials Engineering and Performance</i> , <b>2015</b> , 24, 4681-4690	1.6	8
115	Inverse estimation of location of internal heat source in conduction. <i>Inverse Problems in Science and Engineering</i> , <b>2011</b> , 19, 337-361	1.3	8
114	Automatic design of fuzzy logic controller using a genetic algorithm for collision-free, time-optimal navigation of a car-like robot. <i>International Journal of Hybrid Intelligent Systems</i> , <b>2005</b> , 2, 161-187	0.9	8
113	Evolution of Fuzzy Controllers and Applications. <i>Studies in Computational Intelligence</i> , <b>2007</b> , 47-69	0.8	8
112	Multi-objective Bonobo Optimizer (MOBO): an intelligent heuristic for multi-criteria optimization. <i>Knowledge and Information Systems</i> , <b>2020</b> , 62, 4407-4444	2.4	8
111	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> , <b>2020</b> , 45, 2779-2797	2.5	8
110	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> , <b>2021</b> , 235, 2008-2021	1.3	8

109	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> , <b>2021</b> , 390, 339-353	5.2	8
108	Computer aided modeling and analysis of turning motion of hexapod robot on varying terrains. <i>International Journal of Mechanics and Materials in Design</i> , <b>2015</b> , 11, 309-336	2.5	7
107	Study on mechanical and metallurgical properties of fiber laser welded Nb-1% Zr-0.1% C alloy. <i>Optics and Laser Technology</i> , <b>2020</b> , 127, 106153	4.2	7
106	A novel energy efficient powered ankle prosthesis using four-bar controlled compliant actuator. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , <b>2018</b> , 232, 4664-4675	1.3	7
105	Electron Beam Melting of Steel Plates: Temperature Measurement Using Thermocouples and Prediction Through Finite Element Analysis. <i>Lecture Notes in Mechanical Engineering</i> , <b>2016</b> , 579-588	0.4	7
104	Properties of a projected network of a bipartite network <b>2017</b> ,		7
103	Near-optimal gait generations of a two-legged robot on rough terrains using soft computing. <i>Robotics and Computer-Integrated Manufacturing</i> , <b>2011</b> , 27, 521-530	9.2	7
102	Statistical modeling of psychosis data. <i>Computer Methods and Programs in Biomedicine</i> , <b>2010</b> , 100, 222-36.9	3.9	7
101	ONLINE DYNAMICALLY BALANCED ASCENDING AND DESCENDING GAIT GENERATIONS OF A BIPED ROBOT USING SOFT COMPUTING. <i>International Journal of Humanoid Robotics</i> , <b>2007</b> , 04, 777-814	1.2	7
100	Electron beam butt welding of Cu-Cr-Zr alloy plates: Experimental investigations, studies on metallurgical and mechanical properties. <i>Fusion Engineering and Design</i> , <b>2018</b> , 137, 209-220	1.7	7
99	Forward and inverse predictions of deformations in laser forming of shaped surfaces under coupling mechanism. <i>Journal of Laser Applications</i> , <b>2018</b> , 30, 032011	2.1	7
98	Energy-efficient inverse dynamic model of a Hexapod robot <b>2015</b> ,		6
97	Analysis of double support phase of biped robot and multi-objective optimization using genetic algorithm and particle swarm optimization algorithm. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>2015</b> , 40, 549-575	1	6
96	Soft computing-based expert systems to predict energy consumption and stability margin in turning gaits of six-legged robots. <i>Expert Systems With Applications</i> , <b>2012</b> , 39, 5460-5469	7.8	6
95	Soft computing-based approaches to predict energy consumption and stability margin of six-legged robots moving on gradient terrains. <i>Applied Intelligence</i> , <b>2012</b> , 37, 31-46	4.9	6
94	Forward and reverse modeling of electron beam welding process using radial basis function neural networks. <i>International Journal of Knowledge-Based and Intelligent Engineering Systems</i> , <b>2010</b> , 14, 201-215	0.5	6
93	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> , <b>2020</b> , 124, 105982	4.2	6
92	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> , <b>2020</b> , 234, 118-128	1.7	6

91	Performance improvement of a genetic algorithm using a novel restart strategy with elitism principle. <i>International Journal of Hybrid Intelligent Systems</i> , <b>2019</b> , 15, 1-15	0.9	6
90	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> , <b>2020</b> , 45, 5769-5781	2.5	5
89	A Novel Restart Strategy for Solving Complex Multi-modal Optimization Problems Using Real-Coded Genetic Algorithm. <i>Advances in Intelligent Systems and Computing</i> , <b>2018</b> , 32-41	0.4	5
88	Optimum Design of a Two Step Planar Diffuser: A Hybrid Approach. <i>Engineering Applications of Computational Fluid Mechanics</i> , <b>2010</b> , 4, 415-424	4.5	5
87	Reporting cell planning-based cellular mobility management using a Binary Artificial Bat algorithm. <i>Heliyon</i> , <b>2019</b> , 5, e01276	3.6	4
86	A novel supervisory control scheme to tackle variations in step length for walking with powered ankle prosthesis. <i>Biomedical Signal Processing and Control</i> , <b>2018</b> , 46, 212-220	4.9	4
85	Hierarchical adaptive neuro-fuzzy inference systems trained by evolutionary algorithms to model plasma spray coating process. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2013</b> , 24, 355-362	1.6	4
84	Dynamic Modeling of Energy Efficient Crab Walking of Hexapod Robot. <i>Applied Mechanics and Materials</i> , <b>2011</b> , 110-116, 2730-2739	0.3	4
83	Modeling and Analysis of Sodium Silicate-Bonded Moulding Sand System Using Design of Experiments and Response Surface Methodology. <i>Journal for Manufacturing Science and Production</i> , <b>2011</b> , 11, 1-14		4
82	Some studies on mapping methods. <i>International Journal of Business Intelligence and Data Mining</i> , <b>2006</b> , 1, 347	0.3	4
81	Prediction of grinding power and surface finish by GA-fuzzy approach. <i>Integrated Computer-Aided Engineering</i> , <b>2004</b> , 11, 373-382	5.2	4
80	Neural Network-Based Expert System to Predict the Results of Finite Element Analysis. <i>Advances in Intelligent and Soft Computing</i> , <b>2006</b> , 231-240		4
79	Effects of space charge on weld geometry and cooling rate during electron beam welding of stainless steel. <i>Optik</i> , <b>2020</b> , 206, 163722	2.5	4
78	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> , <b>2021</b> , 43, 1	2	4
77	Maximizing the Earned Benefit in an Incentivized Social Networking Environment <b>2019</b> ,		4
76	A Geometry Recognition-Based Strategy for Locomotion Transitions Early Prediction of Prosthetic Devices. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2020</b> , 69, 1259-1267	5.2	4
75	A Direction-Based Exponential Mutation Operator for Real-Coded Genetic Algorithm <b>2018</b> ,		4
74	Effects of interfacial conditions on shape optimization of cementless hip stem: an investigation based on a hybrid framework. <i>Structural and Multidisciplinary Optimization</i> , <b>2016</b> , 53, 1143-1155	3.6	3



73	Effects of Welding Parameters on Mechanical Properties in Electron Beam Welded CuCrZr Alloy Plates. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 338, 012013	0.4	3
72	A review on applications of soft computing in design and development of intelligent autonomous robots. <i>International Journal of Hybrid Intelligent Systems</i> , <b>2017</b> , 14, 49-65	0.9	3
71	Recurrent neural networks to model input-output relationships of metal inert gas (MIG) welding process. <i>International Journal of Data Analysis Techniques and Strategies</i> , <b>2017</b> , 9, 248	0.5	3
70	Adaptive neuro-fuzzy expert systems for predicting specific energy consumption and energy stability margin in crab walking of six-legged robots. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2013</b> , 24, 467-482	1.6	3
69	Towards Developing Intelligent Autonomous Systems in Psychiatry: Its Present State and Future Possibilities. <i>Studies in Computational Intelligence</i> , <b>2010</b> , 143-166	0.8	3
68	Evolutionary neural networks for strategic bidding in electricity markets. <i>International Journal of Energy Sector Management</i> , <b>2012</b> , 6, 321-342	2.5	3
67	Modelling of electrical discharge machining process using regression analysis, adaptive neuro-fuzzy inference system and genetic algorithm. <i>International Journal of Data Mining, Modelling and Management</i> , <b>2010</b> , 2, 75	0.2	3
66	Soft Computing-Based Navigation Schemes for a Real Wheeled Robot Moving Among Static Obstacles. <i>Journal of Intelligent and Robotic Systems: Theory and Applications</i> , <b>2008</b> , 51, 333-368	2.9	3
65	Realizing the Need for Intelligent Optimization Tool. <i>Advances in Computational Intelligence and Robotics Book Series</i> , <b>2016</b> , 1-9	0.4	3
64	Towards Intelligent Autonomous Systems. <i>Studies in Computational Intelligence</i> , <b>2010</b> , 1-4	0.8	3
63	Multi-Legged Robots: A Review. <i>Cognitive Intelligence and Robotics</i> , <b>2020</b> , 11-32	0.1	3
62	Swarm-Intelligence-Based Computation for Parametric Optimization of Electron Beam Fabrication. <i>Lecture Notes on Multidisciplinary Industrial Engineering</i> , <b>2019</b> , 153-163	0.3	3
61	Prediction of Step Length Using Neuro-Fuzzy Approach Suitable for Prosthesis Control. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2020</b> , 69, 5658-5665	5.2	3
60	Solving engineering optimization problems using an improved real-coded genetic algorithm (IRGA) with directional mutation and crossover. <i>Soft Computing</i> , <b>2021</b> , 25, 5455-5481	3.5	3
59	Towards the optimal design of an uncemented acetabular component using genetic algorithms. <i>Engineering Optimization</i> , <b>2015</b> , 47, 1587-1601	2	2
58	Multi-Objective Optimization and Cluster-Wise Regression Analysis to Establish Input/Output Relationships of a Process <b>2018</b> , 299-318		2
57	MODELING OF INPUT-OUTPUT RELATIONSHIPS FOR ELECTRON BEAM BUTT WELDING OF DISSIMILAR MATERIALS USING NEURAL NETWORKS. <i>International Journal of Computational Intelligence and Applications</i> , <b>2014</b> , 13, 1450016	1.2	2
56	Fuzzy clustering of mechanisms. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>2012</b> , 37, 539-556		2

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