

# Dayal R Parhi

## List of Publications by Year in descending order

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204  
papers

3,910  
citations

168829

31  
h-index

190340

53  
g-index

211  
all docs

211  
docs citations

211  
times ranked

2179  
citing authors

#	ARTICLE	IF	CITATIONS
1	Navigation of a wheeled mobile robotic agent using modified grey wolf optimization controller. International Journal of Intelligent Unmanned Systems, 2023, 11, 197-213.	0.6	4
2	Dynamic walking of humanoid robot on flat surface using amplified LIPM plus flywheel model. International Journal of Intelligent Unmanned Systems, 2022, 10, 316-329.	0.6	5
3	Multi-objective optimization technique for trajectory planning of multi-humanoid robots in cluttered terrain. ISA Transactions, 2022, 125, 591-613.	3.1	11
4	Water cycle algorithm: an approach for improvement of navigational strategy of multiple humanoid robots. Robotica, 2022, 40, 798-816.	1.3	7
5	Route outlining of humanoid robot on flat surface using MFO aided artificial potential field approach. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2022, 236, 758-769.	1.5	5
6	Obstacle avoidance and path planning of humanoid robot using fuzzy logic controller aided owl search algorithm in complicated workspaces. Industrial Robot, 2022, 49, 280-288.	1.2	4
7	Stabilized Walking of Humanoid NAO using Enhanced Spring-Loaded Inverted Pendulum Model on Uneven Terrain. International Journal of Social Ecology and Sustainable Development, 2022, 13, 0-0.	0.1	0
8	Trajectory tracking of single and multiple humanoid robots in cluttered environment. Materials Today: Proceedings, 2022, , .	0.9	0
9	Towards motion planning of humanoids using a fuzzy embedded neural network approach. Applied Soft Computing Journal, 2022, 119, 108588.	4.1	12
10	Navigational strategy of a biped robot using regression-adaptive PSO approach. Soft Computing, 2022, 26, 12317-12341.	2.1	1
11	Implementation of intelligent navigational techniques for inter-collision avoidance of multiple humanoid robots in complex environment. Applied Soft Computing Journal, 2022, , 109001.	4.1	0
12	Trajectory planning and control of multiple mobile robot using hybrid MKH-fuzzy logic controller. Robotica, 2022, 40, 3952-3975.	1.3	6
13	Improved Motion Planning of Humanoid Robots Using Bacterial Foraging Optimization. Robotica, 2021, 39, 123-136.	1.3	15
14	Motion control of multiple humanoids using a hybridized primâ€™s algorithm-fuzzy controller. Soft Computing, 2021, 25, 1159-1180.	2.1	14
15	Design of a hybrid controller using genetic algorithm and neural network for path planning of a humanoid robot. International Journal of Intelligent Unmanned Systems, 2021, 9, 169-177.	0.6	10
16	Dynamic Strategy Planning of Humanoid Robots Using Glowworm-Based Optimization. Robotica, 2021, 39, 1051-1063.	1.3	3
17	Particle Swarm Optimization aided PID gait controller design for a humanoid robot. ISA Transactions, 2021, 114, 306-330.	3.1	48
18	Static and dynamic path optimization of multiple mobile robot using hybridized fuzzy logic-whale optimization algorithm. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 5718-5735.	1.1	19

#	ARTICLE	IF	CITATIONS
19	On the way to fault detection method in moving load dynamics problem by modified recurrent neural networks approach. <i>Mechanics and Industry</i> , 2021, 22, 10.	0.5	0
20	Probability Plot Result Comparison with Recurrent Neural Network Approach for Path Navigation of a Humanoid in Complex Terrain. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 579-588.	0.3	1
21	Optimization of stability of humanoid robot NAO using ant colony optimization tuned MPC controller for uneven path. <i>Soft Computing</i> , 2021, 25, 5131-5150.	2.1	24
22	Humanoid NAO: A Kinematic Encounter. <i>Robotica</i> , 2021, 39, 1997-2007.	1.3	3
23	Path optimization for multiple humanoid robot using TLBO based ANFIS controller in obscure environment. <i>Materials Today: Proceedings</i> , 2021, 47, 2677-2677.	0.9	3
24	Analysis of Hybrid Technique for Motion Planning of Humanoid NAO. <i>International Journal of Robotics and Control Systems</i> , 2021, 1, 75-83.	0.6	0
25	Humanoid navigation: A firefly based approach. <i>Computer Animation and Virtual Worlds</i> , 2021, 32, e1969.	0.7	1
26	Multi-objective trajectory planning of humanoid robot using hybrid controller for multi-target problem in complex terrain. <i>Expert Systems With Applications</i> , 2021, 179, 115110.	4.4	6
27	Global Path Optimization of Humanoid NAO in Static Environment Using Primâ€™s Algorithm. <i>Lecture Notes in Networks and Systems</i> , 2021, , 25-34.	0.5	4
28	Navigational Control and Path Optimization of Mobile Robot Using Updated Sineâ€™Cosine Algorithm in Obscure Environment. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 989-996.	0.3	5
29	Trajectory optimization of wheeled mobile robot (WMR) in the wall-type arena. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	3
30	Intelligent Hybridization of Regression Technique with Genetic Algorithm for Navigation of Humanoids in Complex Environments. <i>Robotica</i> , 2020, 38, 565-581.	1.3	17
31	Trajectory Planning and the Target Search by the Mobile Robot in an Environment Using a Behavior-Based Neural Network Approach. <i>Robotica</i> , 2020, 38, 1627-1641.	1.3	12
32	Navigational analysis of a humanoid using genetic algorithm with vision assistance. <i>Multimedia Tools and Applications</i> , 2020, 79, 8125-8144.	2.6	1
33	Optimal path search and control of mobile robot using hybridized sine-cosine algorithm and ant colony optimization technique. <i>Industrial Robot</i> , 2020, 47, 535-545.	1.2	34
34	A hybrid technique for path planning of humanoid robot NAO in static and dynamic terrains. <i>Applied Soft Computing Journal</i> , 2020, 96, 106581.	4.1	38
35	Implementation of grey wolf optimization controller for multiple humanoid navigation. <i>Computer Animation and Virtual Worlds</i> , 2020, 31, e1919.	0.7	11
36	Dynamic Stabilization of NAO Humanoid Robot Based on Whole-Body Control with Simulated Annealing. <i>International Journal of Humanoid Robotics</i> , 2020, 17, 2050014.	0.6	25

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37	V-REP-based navigation of automated wheeled robot between obstacles using PSO-tuned feedforward neural network. Journal of Computational Design and Engineering, 2020, 7, 427-434.	1.5	30
38	Navigational Analysis of Multiple Humanoids Using a Hybridized Rule Base-Sugeno Fuzzy Controller. International Journal of Humanoid Robotics, 2020, 17, 2050017.	0.6	10
39	Navigational analysis of multiple humanoids using a hybrid regression-fuzzy logic control approach in complex terrains. Applied Soft Computing Journal, 2020, 89, 106088.	4.1	32
40	Type-2 Fuzzy Controller (T2FC) Based Motion Planning of Differential-Drive Pioneer P3-DX Wheeled Robot in V-REP Software Platform. Intelligent Systems Reference Library, 2020, , 47-57.	1.0	6
41	Path Planning of the Mobile Robot Using Fuzzified Advanced Ant Colony Optimization. Lecture Notes in Mechanical Engineering, 2020, , 1043-1052.	0.3	11
42	Navigational Control Analysis of Mobile Robot in Cluttered Unknown Environment Using Novel Neural-GSA Technique. Lecture Notes in Mechanical Engineering, 2020, , 551-563.	0.3	1
43	Optimum Navigation of Four-Wheeled Ground Robot in Stationary and Non-stationary Environments Using Wind-Driven Optimization Algorithm. Lecture Notes in Mechanical Engineering, 2020, , 931-941.	0.3	6
44	Control Strategy of Mobile Robots Using Fuzzy-Gravitational Search Method and Review of Other Techniques. Lecture Notes in Mechanical Engineering, 2020, , 565-577.	0.3	0
45	Identification of Parameters in Moving Load Dynamics Problem Using Statistical Process Recognition Approach. Advances in Intelligent Systems and Computing, 2020, , 405-411.	0.5	0
46	Effect of Crack Severity on a Curved Cantilever Beam Using Differential Quadrature Element Method. Lecture Notes in Mechanical Engineering, 2020, , 1089-1100.	0.3	0
47	An intelligent navigation of humanoid NAO in the light of classical approach and computational intelligence. Computer Animation and Virtual Worlds, 2019, 30, e1858.	0.7	12
48	Dynamic Investigation of FRP Cracked Beam Using Neural Network Technique. Journal of Vibration Engineering and Technologies, 2019, 7, 647-661.	1.3	26
49	Design and control of a 7 DOF redundant manipulator arm. Australian Journal of Mechanical Engineering, 2019, , 1-12.	1.5	2
50	Path optimization for navigation of a humanoid robot using hybridized fuzzy-genetic algorithm. International Journal of Intelligent Unmanned Systems, 2019, 7, 112-119.	0.6	19
51	An approach to optimize the path of humanoid robots using a hybridized regression-adaptive particle swarm optimization-adaptive ant colony optimization method. Industrial Robot, 2019, 46, 104-117.	1.2	4
52	Autonomous mobile robot navigation between static and dynamic obstacles using multiple ANFIS architecture. World Journal of Engineering, 2019, 16, 275-286.	1.0	52
53	A review: On path planning strategies for navigation of mobile robot. Defence Technology, 2019, 15, 582-606.	2.1	506
54	Smart Navigation of Humanoid Robots Using DAYKUN-BIP Virtual Target Displacement and Petri-Net Strategy. Robotica, 2019, 37, 626-640.	1.3	10

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55	Approach to establish a hybrid intelligent model for crack diagnosis in a fix-hinge beam structure. International Journal of Structural Integrity, 2019, 10, 208-229.	1.8	2
56	Navigational Control Analysis of Two-Wheeled Self-Balancing Robot in an Unknown Terrain Using Back-Propagation Neural Network Integrated Modified DAYANI Approach. Robotica, 2019, 37, 1346-1362.	1.3	11
57	Path planning of humanoids based on artificial potential field method in unknown environments. Expert Systems, 2019, 36, e12360.	2.9	28
58	Application of probability to enhance the performance of fuzzy based mobile robot navigation. Applied Soft Computing Journal, 2019, 75, 265-283.	4.1	30
59	An intelligent computer vision integrated regression based navigation approach for humanoids in a cluttered environment. Multimedia Tools and Applications, 2019, 78, 11463-11486.	2.6	6
60	Structural damage detection in moving load problem using JRNNs based method. Journal of Theoretical and Applied Mechanics, 2019, 57, 665-676.	0.2	2
61	Navigation of multiple humanoid robots using hybrid adaptive swarm adaptive ant colony optimisation technique. Computer Animation and Virtual Worlds, 2018, 29, e1802.	0.7	15
62	A hybridized regression-adaptive ant colony optimization approach for navigation of humanoids in a cluttered environment. Applied Soft Computing Journal, 2018, 68, 565-585.	4.1	49
63	Analysis and use of fuzzy intelligent technique for navigation of humanoid robot in obstacle prone zone. Defence Technology, 2018, 14, 677-682.	2.1	56
64	An Intelligent Path Planning Approach for Humanoid Robots Using Adaptive Particle Swarm Optimization. International Journal on Artificial Intelligence Tools, 2018, 27, 1850015.	0.7	15
65	Clonal fuzzy intelligent system for fault diagnosis of cracked beam. International Journal of Damage Mechanics, 2018, 27, 840-858.	2.4	1
66	Matrix-Binary Codes based Genetic Algorithm for path planning of mobile robot. Computers and Electrical Engineering, 2018, 67, 708-728.	3.0	123
67	Survivable Path Routing in WSN for IoT applications. Pervasive and Mobile Computing, 2018, 43, 49-63.	2.1	75
68	A Control Scheme for Navigation and Obstacle Avoidance of Autonomous Flying Agent. Arabian Journal for Science and Engineering, 2018, 43, 1395-1407.	1.7	15
69	Dynamic response and analysis of cracked beam subjected to transit mass. International Journal of Dynamics and Control, 2018, 6, 961-972.	1.5	10
70	Intelligent Navigation of Humanoids in Cluttered Environments Using Regression Analysis and Genetic Algorithm. Arabian Journal for Science and Engineering, 2018, 43, 7655-7678.	1.7	32
71	Humanoid Navigation: An Intelligent Computer Vision Based Approach. , 2018, , .		0
72	A hybridised CSAGA method for damage detection in structural elements. Mechanics and Industry, 2018, 19, 407.	0.5	2

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73	Fuzzy based MAC Adaptation in Industrial IoT based Sensor Networks. , 2018, , .		2
74	Development and analysis of DAYANI arc contour intelligent technique for navigation of two-wheeled mobile robot. Industrial Robot, 2018, 45, 688-702.	1.2	7
75	An Approach to Optimize the Path of Humanoids using Adaptive Ant Colony Optimization. Journal of Bionic Engineering, 2018, 15, 623-635.	2.7	30
76	Path planning in uncertain environment by using firefly algorithm. Defence Technology, 2018, 14, 691-701.	2.1	129
77	Application of artificial neural network for control and navigation of humanoid robot. Journal of Mechanical Engineering and Sciences, 2018, 12, 3529-3538.	0.3	12
78	Advancement in navigational path planning of robots using various artificial and computing techniques. International Robotics & Automation Journal, 2018, 4, .	0.3	5
79	Application of genetic algorithm for crack diagnosis of a free-free aluminum beam with transverse crack subjected to axial and bending load. Journal of Mechanical Engineering and Sciences, 2018, 12, 3825-3851.	0.3	2
80	Navigational control of underwater mobile robot using dynamic differential evolution approach. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2017, 231, 284-301.	0.3	7
81	Optimum path planning of mobile robot in unknown static and dynamic environments using Fuzzy-Wind Driven Optimization algorithm. Defence Technology, 2017, 13, 47-58.	2.1	98
82	On firefly algorithm: optimization and application in mobile robot navigation. World Journal of Engineering, 2017, 14, 65-76.	1.0	38
83	Dynamic and experimental analysis on response of multi-cracked structures carrying transit mass. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2017, 231, 25-35.	0.6	5
84	Reactive navigation of underwater mobile robot using ANFIS approach in a manifold manner. International Journal of Automation and Computing, 2017, 14, 307-320.	4.5	13
85	Navigational strategy for underwater mobile robot based on adaptive neuro-fuzzy inference system model embedded with shuffled frog leaping algorithmâ€based hybrid learning approach. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment. 2017. 231. 844-862.	0.3	0
86	Vibrational characterization of a human femur bone and its significance in the designing of artificial implants. World Journal of Engineering, 2017, 14, 222-226.	1.0	6
87	Parametric Evaluation on the Response of Damaged Simple Supported Structure Under Transit Mass. , 2017, , .		2
88	Vibrational Characteristics and Stress Analysis in a Human Femur Bone. Materials Today: Proceedings, 2017, 4, 10084-10087.	0.9	7
89	A hybridized RA-APSO approach for humanoid navigation. , 2017, , .		8
90	Analysis of FPA and BA metaâ€heuristic controllers for optimal path planning of mobile robot in cluttered environment. IET Science, Measurement and Technology, 2017, 11, 817-828.	0.9	33

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91	Response analysis of cracked structure subjected to transit mass "a parametric study. Journal of Vibroengineering, 2017, 19, 3243-3254.	0.5	6
92	Optimal path planning for a mobile robot using cuckoo search algorithm. Journal of Experimental and Theoretical Artificial Intelligence, 2016, 28, 35-52.	1.8	123
93	Response of Damaged Structure to High Speed Mass. Procedia Engineering, 2016, 144, 1435-1442.	1.2	3
94	Navigation of underwater robot based on dynamically adaptive harmony search algorithm. Memetic Computing, 2016, 8, 125-146.	2.7	39
95	Autonomous mobile robot navigation in cluttered environment using hybrid Takagi-Sugeno fuzzy model and simulated annealing algorithm controller. World Journal of Engineering, 2016, 13, 431-440.	1.0	14
96	Probabilistic fuzzy controller based robotics path decision theory. World Journal of Engineering, 2016, 13, 181-192.	1.0	12
97	New algorithm for behaviour-based mobile robot navigation in cluttered environment using neural network architecture. World Journal of Engineering, 2016, 13, 129-141.	1.0	14
98	Kinematic Analysis of a Two-Wheeled Self-Balancing Mobile Robot. Lecture Notes in Electrical Engineering, 2016, , 87-93.	0.3	2
99	Dynamic Study of Composite Cracked Beam by Changing the Angle of Bidirectional Fibres. Iranian Journal of Science and Technology, Transaction A: Science, 2016, 40, 27-37.	0.7	23
100	Mobile robot navigation in unknown static environments using ANFIS controller. Perspectives in Science, 2016, 8, 421-423.	0.6	51
101	The influence of crack in cantilever rotor system with viscous medium. International Journal of Dynamics and Control, 2016, 4, 363-375.	1.5	3
102	IWO-based adaptive neuro-fuzzy controller for mobile robot navigation in cluttered environments. International Journal of Advanced Manufacturing Technology, 2016, 83, 1607-1625.	1.5	26
103	Control of an automated mobile manipulator using artificial immune system. Journal of Experimental and Theoretical Artificial Intelligence, 2016, 28, 417-439.	1.8	32
104	Performance comparison of novel WNN approach with RBFNN in navigation of autonomous mobile robotic agent. Serbian Journal of Electrical Engineering, 2016, 13, 239-263.	0.2	8
105	Kinematic Control of a Mobile Manipulator. Lecture Notes in Electrical Engineering, 2016, , 339-346.	0.3	0
106	Response of Cracked Cantilever Beam Subjected to Traversing Mass. , 2015, , .		1
107	Conceptual design of an underwater robot. , 2015, , .		1
108	Real Time Intrusion Detection and Prevention System. Advances in Intelligent Systems and Computing, 2015, , 405-411.	0.5	49

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109	Design of a planar cable driven parallel robot using the concept of Capacity Margin Index. , 2015, , .		3
110	Navigation of autonomous mobile robot using different activation functions of wavelet neural network. Archives of Control Sciences, 2015, 25, 21-34.	1.7	8
111	Crack Assessment by FEM of AMMC Beam Produced by Modified Stir Casting Method. Materials Today: Proceedings, 2015, 2, 2267-2276.	0.9	10
112	A new hybrid intelligent path planner for mobile robot navigation based on adaptive neuro-fuzzy inference system. Australian Journal of Mechanical Engineering, 2015, 13, 195-207.	1.5	11
113	Dynamically Self-Adaptive Fuzzy PSO Technique for Smart Diagnosis of Transverse Crack. Applied Artificial Intelligence, 2015, 29, 211-232.	2.0	16
114	Navigation of multiple mobile robots in a highly clutter terrains using adaptive neuro-fuzzy inference system. Robotics and Autonomous Systems, 2015, 72, 48-58.	3.0	81
115	Fault detection of composite beam by using the modal parameters and RBFNN technique. Journal of Mechanical Science and Technology, 2015, 29, 1637-1648.	0.7	12
116	A Modified Particle Swarm Optimization Technique for Crack Detection in Cantilever Beams. Arabian Journal for Science and Engineering, 2015, 40, 3263-3272.	1.1	16
117	A new hybrid optimization algorithm for multiple mobile robots navigation based on the CS-ANFIS approach. Memetic Computing, 2015, 7, 255-273.	2.7	52
118	Navigation Based on Adaptive Shuffled Frog-Leaping Algorithm for Underwater Mobile Robot. Advances in Intelligent Systems and Computing, 2015, , 651-659.	0.5	1
119	Comparative study on cracked beam with different types of cracks carrying moving mass. Structural Engineering and Mechanics, 2015, 56, 797-811.	1.0	9
120	A novel intelligent mobile robot navigation technique for avoiding obstacles using RBF neural network. , 2014, , .		10
121	Autonomous navigation of underwater mobile robot based on harmony search optimization. , 2014, , .		1
122	A New Real Time Path Planning for Mobile Robot Navigation Using Invasive Weed Optimization Algorithm. , 2014, , .		4
123	Real time navigation strategies for webots using fuzzy controller. , 2014, , .		1
124	Path planning navigation of mobile robot with obstacles avoidance using fuzzy logic controller. , 2014, , .		57
125	Effect of Slenderness Ratio on Crack Parameters of Simply Supported Shaft. , 2014, 6, 1428-1435.		2
126	Automatic design of fuzzy MF using Genetic Algorithm for fault detection in structural elements. , 2014, , .		1



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127	Path Planning Strategy for Mobile Robot Navigation Using MANFIS Controller. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 353-361.	0.5	15
128	Numerical and Experimental Verification of a Method for Prognosis of Inclined Edge Crack in Cantilever Beam based on Synthesis of Mode Shapes. <i>Procedia Technology</i> , 2014, 14, 67-74.	1.1	21
129	A new efficient optimal path planner for mobile robot based on Invasive Weed Optimization algorithm. <i>Frontiers of Mechanical Engineering</i> , 2014, 9, 317-330.	2.5	27
130	Navigation of autonomous mobile robot using adaptive network based fuzzy inference system. <i>Journal of Mechanical Science and Technology</i> , 2014, 28, 2861-2868.	0.7	48
131	Analysis of an Intelligent Hybrid System for Fault Diagnosis in Cracked Structure. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 1337-1357.	1.1	10
132	Advance Particle Swarm Optimization-Based Navigational Controller For Mobile Robot. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 6477-6487.	1.1	54
133	A New Intelligent Motion Planning for Mobile Robot Navigation using Multiple Adaptive Neuro-Fuzzy Inference System. <i>Applied Mathematics and Information Sciences</i> , 2014, 8, 2527-2535.	0.7	41
134	Navigation of Autonomous Mobile Robot Using Adaptive Neuro-Fuzzy Controller. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 521-530.	0.5	3
135	MANFIS Approach for Path Planning and Obstacle Avoidance for Mobile Robot Navigation. <i>Advances in Intelligent Systems and Computing</i> , 2014, , 361-370.	0.5	2
136	Intelligent adaptive immune-based motion planner of a mobile robot in cluttered environment. <i>Intelligent Service Robotics</i> , 2013, 6, 155-162.	1.6	32
137	Cuckoo Search Algorithm for the Mobile Robot Navigation. <i>Lecture Notes in Computer Science</i> , 2013, , 527-536.	1.0	27
138	Effect of Crack on Modal Parameters of a Cantilever Beam Subjected to Vibration. <i>Procedia Engineering</i> , 2013, 51, 665-669.	1.2	27
139	Finite Element Analysis of Double Cracked Beam and its Experimental Validation. <i>Procedia Engineering</i> , 2013, 51, 703-708.	1.2	10
140	Path planning of an autonomous mobile robot using adaptive network based fuzzy controller. , 2013, , .		12
141	Differential Evolution: An Inverse Approach for Crack Detection. <i>Advances in Acoustics and Vibration</i> , 2013, 2013, 1-10.	0.5	7
142	Target seeking behaviour of an intelligent mobile robot using advanced particle swarm optimization. , 2013, , .		11
143	A New Intelligent Approach for Mobile Robot Navigation. <i>Lecture Notes in Computer Science</i> , 2013, , 243-249.	1.0	2
144	Theoretical Analysis of the Shaft. <i>Advances in Fuzzy Systems</i> , 2013, 2013, 1-11.	0.6	5

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145	Immunised Navigational Controller for Mobile Robot Navigation. Studies in Computational Intelligence, 2012, , 171-182.	0.7	4
146	Fuzzy logic control of a WMR. , 2012, , .		3
147	Innate Immune based Path Planner of an Autonomous Mobile Robot. Procedia Engineering, 2012, 38, 2663-2671.	1.2	26
148	Effect of Damage Parameters on Vibration Signatures of a Cantilever Beam. Procedia Engineering, 2012, 38, 3318-3330.	1.2	14
149	Navigation of an autonomous mobile robot using intelligent hybrid technique. , 2012, , .		7
150	Path Generation and Obstacle Avoidance of an Autonomous Mobile Robot Using Intelligent Hybrid Controller. Lecture Notes in Computer Science, 2012, , 240-247.	1.0	6
151	Review of Techniques for Fault Diagnosis in Damaged Structure and Engineering System. Advances in Mechanical Engineering, 2012, 4, 327569.	0.8	23
152	Development of a Vibration-Based Crack Diagnostic Application Using the MANFIS Technique. International Journal of Acoustics and Vibrations, 2012, 17, .	0.3	0
153	Path optimisation of a mobile robot using an artificial neural network controller. International Journal of Systems Science, 2011, 42, 107-120.	3.7	61
154	Intelligent navigation of multiple mobile robots using an ant colony optimization technique in a highly cluttered environment. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2011, 225, 225-232.	1.1	5
155	Development of an inverse methodology for crack diagnosis using AI technique. International Journal of Computational Materials Science and Surface Engineering, 2011, 4, 143.	0.2	1
156	Path planning strategy for autonomous mobile robot navigation using Petri-GA optimisation. Computers and Electrical Engineering, 2011, 37, 1058-1070.	3.0	51
157	Navigational control of several mobile robotic agents using Petri-potential-fuzzy hybrid controller. Applied Soft Computing Journal, 2011, 11, 3546-3557.	4.1	36
158	Application of adaptive neuro-fuzzy inference system in modeling fatigue life under interspersed mixed-mode (I and II) spike overload. Expert Systems With Applications, 2011, 38, 12302-12311.	4.4	9
159	Application of neural network and finite element for condition monitoring of structures. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2011, 225, 1329-1339.	1.1	12
160	Vibration Analysis of Cracked Beam Using Genetic Controller. , 2011, , .		1
161	Smart Detection of Damage in a Cracked Cantilever Beam Using Artificial Intelligence. Noise and Vibration Worldwide, 2010, 41, 26-36.	0.4	4
162	Identification of crack location and intensity in a cracked beam by fuzzy reasoning. International Journal of Intelligent Systems Technologies and Applications, 2010, 9, 75.	0.2	2

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163	Faults detection by finite element analysis of a multi cracked beam using vibration signatures. International Journal of Vehicle Noise and Vibration, 2010, 6, 40.	0.0	8
164	Prediction of mode-I overload-induced fatigue crack growth rates using neuro-fuzzy approach. Expert Systems With Applications, 2010, 37, 3075-3087.	4.4	15
165	Diagnosis of fault and condition monitoring of dynamic structures using the multiple adaptive-neuro-fuzzy inference system technique. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Aerospace Engineering, 2010, 224, 259-270.	0.7	1
166	Navigational path analysis of mobile robots using an adaptive neuro-fuzzy inference system controller in a dynamic environment. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2010, 224, 1369-1381.	1.1	9
167	Experimental validation of numerical and fuzzy analysis of a faulty structure. , 2010, , .		2
168	Fuzzy based reactive navigational strategy for mobile agent. , 2010, , .		2
169	Behavior-based navigation of multiple robotic agents using hybrid-fuzzy controller. , 2010, , .		1
170	A fuzzy approach towards behavioral strategy for navigation of mobile agent. , 2010, , .		1
171	Application of Artificial Neural Network for Fatigue Life Prediction under Interspersed Mode-I Spike Overload. Journal of Testing and Evaluation, 2010, 38, 177-187.	0.4	5
172	Intelligent neuro-controller for navigation of mobile robot. , 2009, , .		31
173	Navigation of multiple mobile robots using swarm intelligence. , 2009, , .		12
174	Application of Neural Network for fault diagnosis of cracked cantilever beam. , 2009, , .		10
175	Detection of the Crack in Cantilever Structures using Fuzzy Gaussian Inference Technique. AIAA Journal, 2009, 47, 105-115.	1.5	8
176	Real-time navigational control of mobile robots using an artificial neural network. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2009, 223, 1713-1725.	1.1	26
177	Prediction of residual fatigue life under interspersed mixed mode (I and II) overloads by Artificial Neural Network. Fatigue and Fracture of Engineering Materials and Structures, 2009, 32, 1020-1031.	1.7	7
178	Fuzzy logic techniques for navigation of several mobile robots. Applied Soft Computing Journal, 2009, 9, 290-304.	4.1	126
179	The stable and precise motion control for multiple mobile robots. Applied Soft Computing Journal, 2009, 9, 477-487.	4.1	32
180	Motion control and navigation of multiple mobile robots for obstacle avoidance and target seeking: A rule-based neuro-fuzzy technique. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2009, 223, 275-288.	0.7	13

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181	ANFIS Approach for Navigation of Mobile Robots. , 2009, , .		26
182	Navigational strategies of mobile robots: a review. International Journal of Automation and Control, 2009, 3, 114.	0.3	24
183	Analysis of methodologies applied for diagnosis of fault in vibrating structures. International Journal of Vehicle Noise and Vibration, 2009, 5, 271.	0.0	10
184	Fuzzy-Neuro Controller for Smart Fault Detection of a Beam. International Journal of Acoustics and Vibrations, 2009, 14, .	0.3	1
185	Intelligent fuzzy interface technique for the control of an autonomous mobile robot. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2008, 222, 2281-2292.	1.1	20
186	Online fuzzy logic crack detection of a cantilever beam. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2008, 12, 157-171.	0.7	8
187	Navigation technique to control several mobile robots. International Journal of Knowledge-Based and Intelligent Engineering Systems, 2006, 10, 387-401.	0.7	1
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