

Laxmidhar Behera

List of Publications by Year in descending order

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206
papers

3,160
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201674

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all docs

208
docs citations

208
times ranked

2758
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-Loop Optimal Control of a Robot Manipulator and Its Application in Warehouse Automation. IEEE Transactions on Automation Science and Engineering, 2022, 19, 262-279.	5.2	10
2	An Adaptive Fast Terminal Sliding-Mode Controller With Power Rate Proportional Reaching Law for Quadrotor Position and Altitude Tracking. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3612-3625.	9.3	18
3	A Disturbance Observer-Based Intelligent Finite-Time Sliding Mode Flight Controller Design for an Autonomous Quadrotor. IEEE Systems Journal, 2022, 16, 1649-1660.	4.6	12
4	Uncertainty Compensator and Fault Estimator-Based Exponential Supertwisting Sliding-Mode Controller for a Mobile Robot. IEEE Transactions on Cybernetics, 2022, 52, 11963-11976.	9.5	16
5	Stochastic Event-Based Super-Twisting Formation Control for Multiagent System Under Network Uncertainties. IEEE Transactions on Control of Network Systems, 2022, 9, 966-978.	3.7	11
6	Online Nash Solution in Networked Multirobot Formation Using Stochastic Near-Optimal Control Under Dynamic Events. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1765-1778.	11.3	3
7	EEG-Based Drowsiness Detection With Fuzzy Independent Phase-Locking Value Representations Using Lagrangian-Based Deep Neural Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 101-111.	9.3	10
8	Model Free Adaptive Neural Controller for Standalone Photovoltaic Distributed Generation Systems With Disturbances. IEEE Transactions on Sustainable Energy, 2022, 13, 653-667.	8.8	4
9	Deep crustal structure and compositions for tectonic and geodynamic implications of the Dharwar Craton (Southern India) inferred from 3-C wide-angle seismic data. Journal of Asian Earth Sciences, 2022, 227, 105092.	2.3	2
10	Detecting sub-basalt Mesozoic sediments and active tectonics in the Narmada-Tapti Rift Zone, central India. Geosystems and Geoenvironment, 2022, , 100047.	3.2	2
11	Perching of Nano-Quadrotor Using Self-Trigger Finite-Time Second-Order Continuous Control. IEEE Systems Journal, 2021, 15, 4989-4999.	4.6	11
12	Finite-Time Robust Admissible Consensus Control of Multirobot System Under Dynamic Events. IEEE Systems Journal, 2021, 15, 780-790.	4.6	19
13	Tracking Control of Mobile Robots in Formation in the Presence of Disturbances. IEEE Transactions on Industrial Informatics, 2021, 17, 110-123.	11.3	24
14	Skill Learning From Human Demonstrations Using Dynamical Regressive Models for Multitask Applications. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 659-672.	9.3	7
15	Adaptive Integral Sliding Mode Control Using Fully Connected Recurrent Neural Network for Position and Attitude Control of Quadrotor. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5595-5609.	11.3	35
16	Multivariable Event-Triggered Generalized Super-Twisting Controller for Safe Navigation of Nonholonomic Mobile Robot. IEEE Systems Journal, 2021, 15, 454-465.	4.6	22
17	A Discrete-Time Event-Driven Near-Optimal Second-Order SMC for Multirobotic System Formation Prone to Network Uncertainties. IEEE Transactions on Neural Networks and Learning Systems, 2021, PP, 1-14.	11.3	1
18	Imaging Mesozoic Sediments in Deccan Volcanic Province of India: Inferences from Seismic and Gravity Studies. Journal of the Geological Society of India, 2021, 97, 1260-1273.	1.1	1

#	ARTICLE	IF	CITATIONS
19	HJB-Equation-Based Optimal Learning Scheme for Neural Networks With Applications in Brain-Computer Interface. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 159-170.	4.9	22
20	Dynamic Trajectory Generation and a Robust Controller to Intercept a Moving Ball in a Game Setting. IEEE Transactions on Control Systems Technology, 2020, 28, 1418-1432.	5.2	14
21	Position-Based Visual Servoing of a Mobile Robot with an Automatic Extrinsic Calibration Scheme. Robotica, 2020, 38, 831-844.	1.9	13
22	Discrete-Time Lyapunov based Kinematic Control of Robot Manipulator using Actor-Critic Framework. , 2020, , .		1
23	Real-time Trajectory Tracking of a Quadrotor using Adaptive Backstepping Controller and RNN based Uncertainty Observer. , 2020, , .		0
24	Fuzzy Divergence Based Analysis for Eeg Drowsiness Detection Brain Computer Interfaces. , 2020, , .		8
25	Special Issue on Robot and Human Interactive Communication-2020. Advanced Robotics, 2020, 34, 1279-1279.	1.8	0
26	Combined Online and Offline Inverse Dynamics Learning for a Robot Manipulator. , 2020, , .		1
27	An Online Event-Triggered Near-Optimal Controller for Nash Solution in Interconnected System. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5534-5548.	11.3	10
28	Formulating Divergence Framework for Multiclass Motor Imagery EEG Brain Computer Interface. , 2020, , .		13
29	Finite-time super twisting sliding mode controller based on higher-order sliding mode observer for real-time trajectory tracking of a quadrotor. IET Control Theory and Applications, 2020, 14, 2359-2371.	2.1	26
30	Workspace Modelling of a Parallel Robot with Relative Manipulation Mechanisms Based on Optimization Methods. Mechanisms and Machine Science, 2020, , 151-163.	0.5	1
31	Special Issue on Robot and Human Interactive Communication 2020 (Part II). Advanced Robotics, 2020, 34, 1545-1545.	1.8	1
32	Adaptive Backstepping Neural Tracking Control of an Uncertain Robot Manipulator with Dynamic Disturbances. , 2020, , .		5
33	Robust Operational-Space Motion Control of a Sitting-Type Lower Limb Rehabilitation Robot. Advances in Intelligent Systems and Computing, 2020, , 161-172.	0.6	2
34	Analysis and Dual-loop PI Control of Bidirectional Quasi Z-Source DC-DC Converter. , 2020, , .		14
35	Disturbance Observer based Controller Design to Reduce Sensor Count in Standalone PVDC Systems. , 2020, , .		1
36	DMP Based Trajectory Tracking for a Nonholonomic Mobile Robot With Automatic Goal Adaptation and Obstacle Avoidance. , 2019, , .		10

#	ARTICLE	IF	CITATIONS
37	Fast Terminal Sliding Mode Super Twisting Controller For Position And Altitude Tracking of the Quadrotor. , 2019, , .		21
38	Adaptive Critic Based Optimal Kinematic Control for a Robot Manipulator. , 2019, , .		8
39	Electroencephalogram Based Reaction Time Prediction With Differential Phase Synchrony Representations Using Co-Operative Multi-Task Deep Neural Networks. IEEE Transactions on Emerging Topics in Computational Intelligence, 2019, 3, 369-379.	4.9	26
40	Multiclass Fuzzy Time-Delay Common Spatio-Spectral Patterns With Fuzzy Information Theoretic Optimization for EEG-Based Regression Problems in Brain-Computer Interface (BCI). IEEE Transactions on Fuzzy Systems, 2019, 27, 1943-1951.	9.8	20
41	Learning Optimal Parameterized Policy for High Level Strategies in a Game Setting. , 2019, , .		2
42	A Control Strategy for the Prevention of Cyber-Physical Switching Attacks on Smart Grids. , 2019, , .		0
43	Vision-based Fractional Order Sliding Mode Control for Autonomous Vehicle Tracking by a Quadrotor UAV. , 2019, , .		4
44	Vision-based Fast-terminal Sliding Mode Super Twisting Controller for Autonomous Landing of a Quadrotor on a Static Platform. , 2019, , .		3
45	Domain-Independent Unsupervised Detection of Grasp Regions to grasp Novel Objects. , 2019, , .		8
46	A Direct Perturbation based Sensor-free MPPT with DC Bus Voltage Control for a Standalone DC Microgrid. , 2019, , .		4
47	Q-learning Based Navigation of a Quadrotor using Non-singular Terminal Sliding Mode Control. , 2019, , .		1
48	Enabling cyber-physical demand response in smart grids via conjoint communication and controller design. IET Cyber-Physical Systems: Theory and Applications, 2019, 4, 291-303.	3.3	8
49	Real-time Grasp Pose Estimation for Novel Objects in Densely Cluttered Environment. , 2019, , .		18
50	Vision-Based Guidance and Switching-Based Sliding Mode Controller for a Mobile Robot in the Cyber Physical Framework. IEEE Transactions on Industrial Informatics, 2019, 15, 1985-1997.	11.3	26
51	A Parameter Estimation Based MPPT Method for a PV System Using Lyapunov Control Scheme. IEEE Transactions on Sustainable Energy, 2019, 10, 2123-2132.	8.8	18
52	Robust Hybrid Visual Servoing Using Reinforcement Learning and Finite-Time Adaptive FOSMC. IEEE Systems Journal, 2019, 13, 3467-3478.	4.6	11
53	Autoencoding Convolutional Representations for Real-Time Eye-Gaze Detection. Advances in Intelligent Systems and Computing, 2019, , 229-238.	0.6	5
54	Event-Triggered Finite-Time Integral Sliding Mode Controller for Consensus-Based Formation of Multirobot Systems With Disturbances. IEEE Transactions on Control Systems Technology, 2019, 27, 39-47.	5.2	165

#	ARTICLE	IF	CITATIONS
55	Fault-Tolerant Formation Control of Nonholonomic Robots Using Fast Adaptive Gain Nonsingular Terminal Sliding Mode Control. IEEE Systems Journal, 2019, 13, 1006-1017.	4.6	41
56	Trajectory Tracking by Multiple Agents in Formation With Collision Avoidance and Connectivity Assurance. IEEE Systems Journal, 2018, 12, 2449-2460.	4.6	60
57	Teleoperation by Using Nonisomorphic Mechanisms in the Master-Slave Configuration for Speed Control. IEEE Systems Journal, 2018, 12, 1369-1380.	4.6	8
58	On an Integrated Approach to Networked Climate Control of a Smart Home. IEEE Systems Journal, 2018, 12, 1317-1328.	4.6	15
59	Automatic Facial Expression Recognition System Using Deep Network-Based Data Fusion. IEEE Transactions on Cybernetics, 2018, 48, 103-114.	9.5	134
60	Robust adaptive gain higher order sliding mode observer based control-constrained nonlinear model predictive control for spacecraft formation flying. IEEE/CAA Journal of Automatica Sinica, 2018, 5, 367-381.	13.1	33
61	Adaptive Critic-Based Event-Triggered Control for HVAC System. IEEE Transactions on Industrial Informatics, 2018, 14, 178-188.	11.3	76
62	EEG Based Motor Imagery Classification Using Instantaneous Phase Difference Sequence. , 2018, , .		11
63	Learning Stable Movement Primitives by Finding a Suitable Fuzzy Lyapunov Function from Kinesthetic Demonstrations. , 2018, , .		2
64	Deep Network based Automatic Annotation for Warehouse Automation. , 2018, , .		3
65	Distributed Reinforcement Learning Based Optimal Controller For Mobile Robot Formation. , 2018, , .		0
66	Short-term enhancement of cognitive functions and music: A three-channel model. Scientific Reports, 2018, 8, 15528.	3.3	18
67	An Approach for Buck Converter PI Controller Design Using Stability Boundary Locus. , 2018, , .		22
68	Redundancy Resolution of an Index Finger Exoskeleton using Self Organizing Map. , 2018, , .		1
69	Reward based Single Network Adaptive Critic for Optimal Kinematic Control of a Redundant Robot Manipulator. , 2018, , .		1
70	Entropically driven controlled release of paclitaxel from poly(2-ethyl-2-oxazoline) coated maghemite nanostructures for magnetically guided cancer therapy. Soft Matter, 2018, 14, 6537-6553.	2.7	4
71	Sub-basalt Imaging of Hydrocarbon-Bearing Mesozoic Sediments Using Ray-Trace Inversion of First-Arrival Seismic Data and Elastic Finite-Difference Full-Wave Modeling Along Sinorâ€“Valod Profile of Deccan Syncline, India. Pure and Applied Geophysics, 2018, 175, 2931-2954.	1.9	11
72	Evolutionary Algorithm Tuned Fuzzy PI Controller for a Networked HVAC System. Studies in Fuzziness and Soft Computing, 2018, , 319-334.	0.8	4

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73	Position Based Visual Control of the Hovering Quadcopter. Lecture Notes in Computer Science, 2017, , 15-26.	1.3	2
74	On redundancy resolution of the human thumb, index and middle fingers in cooperative object translation. Robotica, 2017, 35, 1992-2017.	1.9	5
75	A novel fusion framework for robust human tracking by a service robot. Robotics and Autonomous Systems, 2017, 94, 134-147.	5.1	8
76	Magnetic navigation and tracking of multiple ferromagnetic microrobots inside an arterial phantom setup for MRI guided drug therapy. Biocybernetics and Biomedical Engineering, 2017, 37, 347-356.	5.9	5
77	Elastic anisotropic finite-difference full-wave modeling and imaging of the tilted transversely isotropic (TTI) media. , 2017, , .		2
78	Preparation and characterization of maghemite nanoparticles from mild steel for magnetically guided drug therapy. Journal of Materials Science: Materials in Medicine, 2017, 28, 116.	3.6	9
79	A novel multi-agent formation control law with collision avoidance. IEEE/CAA Journal of Automatica Sinica, 2017, 4, 558-568.	13.1	49
80	HJB equation based learning scheme for neural networks. , 2017, , .		5
81	A Novel Vision-Based Tracking Algorithm for a Human-Following Mobile Robot. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1415-1427.	9.3	104
82	Design of Passivity Based Cyber Physical System with Markovian Losses and Delay. IFAC-PapersOnLine, 2017, 50, 1971-1976.	0.9	4
83	A passivity based system design for non-holonomic mobile robot in presence of delay and traffic disturbances. , 2017, , .		2
84	Dynamic modeling of a non-ideal DC-DC positive output elementary super-lift Luo converter. , 2017, , .		3
85	Delay constrained utility maximization in Cyber Physical System with mobile robotic networks. , 2016, , .		4
86	Online Eye state recognition from EEG data using Deep architectures. , 2016, , .		26
87	Tracking of a random target by circular pattern of mobile agents with a leader. , 2016, , .		0
88	Improving microgrid voltage stability through cyber-physical control. , 2016, , .		3
89	Intelligent controller design coupled in a communication framework for a networked HVAC system. , 2016, , .		4
90	Disturbance observer based backstepping controller for a quadcopter. , 2016, , .		7

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91	Adaptive learning of dynamic movement primitives through demonstration. , 2016, , .		8
92	Flocking control of multi-agent system with leader-follower architecture using consensus based estimated flocking center. , 2016, , .		11
93	Simulation of generic body weight support systems effects for assisted walking. , 2016, , .		0
94	Learning object manipulation from demonstration through vision for the 7-DOF barrett WAM. , 2016, , .		2
95	Control of a 4 DoF Barrett WAM robot " Modeling, control synthesis and experimental validation. , 2016, , .		7
96	Adaptive fuzzy nonsingular fast terminal sliding mode control for spacecraft formation flying. , 2016, , .		3
97	Near-Optimal Controller for Nonlinear Continuous-Time Systems With Unknown Dynamics Using Policy Iteration. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1537-1549.	11.3	21
98	A generalized novel framework for optimal sensor-controller connection design to guarantee a stable cyber physical smart grid. , 2015, , .		4
99	Shoulder pain intensity recognition using Gaussian mixture models. , 2015, , .		0
100	Tracking of a randomly moving target by flock of multiple agents using leader-follower approach. , 2015, , .		0
101	Design of communication network for cyber physical system. , 2015, , .		0
102	Neighborhood Approximations for Non-Linear Voter Models. Entropy, 2015, 17, 7658-7679.	2.2	7
103	SURF-based human tracking algorithm for a human-following mobile robot. , 2015, , .		3
104	A probabilistic framework of learning movement primitives from unstructured demonstrations. , 2015, , .		1
105	Robust adaptive gain nonsingular fast terminal sliding mode control for spacecraft formation flying. , 2015, , .		10
106	A Distributed Task Allocation Algorithm for a Multi-Robot System in Healthcare Facilities. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 80, 33-58.	3.4	66
107	Evaluating Quantum Neural Network filtered motor imagery brain-computer interface using multiple classification techniques. Neurocomputing, 2015, 170, 161-167.	5.9	22
108	Multiple FO Estimation and Source Clustering of Polyphonic Music Audio Using PLCA and HMRFs. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 278-287.	5.8	22

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109	Development of a Fuzzy Sliding Mode Controller with adaptive tuning technique for a MRI guided robot in the human vasculature. , 2015, , .		5
110	Continuous-time single network adaptive critic based optimal sliding mode control for nonlinear control affine systems. , 2015, , .		2
111	Virtual agent based static and dynamic boundary estimation and tracking with multiple agents. , 2015, , .		1
112	Multisatellite Formation Control for Remote Sensing Applications Using Artificial Potential Field and Adaptive Fuzzy Sliding Mode Control. IEEE Systems Journal, 2015, 9, 508-518.	4.6	62
113	A Robust Visual Human Detection Approach With UKF-Based Motion Tracking for a Mobile Robot. IEEE Systems Journal, 2015, 9, 1363-1375.	4.6	26
114	Tomographic imaging of sub-basalt Mesozoic sediments and shallow basement geometry for hydrocarbon potential below the Deccan Volcanic Province (DVP) of India. Geophysical Journal International, 2014, 199, 296-314.	2.4	10
115	A novel SURF-based algorithm for tracking a ‘Human’ in a dynamic environment. , 2014, , .		0
116	Facial expressions recognition system using Bayesian inference. , 2014, , .		9
117	Artificial neural network based arousal detection from sleep electroencephalogram data. , 2014, , .		9
118	SNAC based near-optimal controller for robotic manipulator with unknown dynamics. , 2014, , .		1
119	Emotion recognition from geometric facial features using self-organizing map. Pattern Recognition, 2014, 47, 1282-1293.	8.1	115
120	Quantum Neural Network-Based EEG Filtering for a Brain—Computer Interface. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 278-288.	11.3	87
121	Image-Based Visual Servoing of a 7-DOF Robot Manipulator Using an Adaptive Distributed Fuzzy PD Controller. IEEE/ASME Transactions on Mechatronics, 2014, 19, 512-523.	5.8	71
122	Instrument identification using PLCA over stretched manifolds. , 2014, , .		6
123	Local binary pattern based facial expression recognition using Self-organizing Map. , 2014, , .		7
124	Musical Source Clustering and Identification in Polyphonic Audio. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 1003-1012.	5.8	8
125	EEG-Based Mobile Robot Control Through an Adaptive Brain—Robot Interface. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 1278-1285.	9.3	88
126	Improved Approach to Area Exploration in an Unknown Environment by Mobile Robot using Genetic Algorithm, Real time Reinforcement Learning and Co-operation among the Controllers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 155-158.	0.4	2

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127	Eigenvalue Assignment via the Smith Predictor based IMC-PID & the Matrix Lambert W function for Control of Time-delayed Process Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 997-1002.	0.4	1
128	SURF-based Human Tracking Algorithm with On-line Update of Object Model. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 321-325.	0.4	1
129	Solar Radiation forecasting using neural networks and Wavelet Transform. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 890-896.	0.4	10
130	Contradictions in the quantum mechanical explanation of the periodic table. Journal of Physics: Conference Series, 2014, 490, 012197.	0.4	0
131	Near-Optimal Control of Serial Manipulator with Unknown Dynamic Model. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 1131-1137.	0.4	2
132	Mobile robot navigation using evolving neural controller in unstructured environments. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 758-765.	0.4	3
133	Gradient-Based Collision Free Desired Formation Generation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 448-454.	0.4	9
134	A Routing Scheme for Voltage Stabilization in Cyber Physical Energy Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 812-818.	0.4	1
135	Robotic Fish Design and Control based on Biomechanics. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 662-669.	0.4	6
136	Quadrotor: Design, Control and Vision Based Localization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 1104-1110.	0.4	12
137	A Context-Based Word Indexing Model for Document Summarization. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 1693-1705.	5.7	39
138	T-S fuzzy model based Maximum Power Point Tracking control of photovoltaic system. , 2013, , .		2
139	A novel neighborhood based document smoothing model for information retrieval. Information Retrieval, 2013, 16, 391-425.	2.0	6
140	Control of an optimal finger exoskeleton based on continuous joint angle estimation from EMG signals. , 2013, 2013, 338-41.		40
141	Policy iteration based near-optimal control scheme for robotic manipulator with model uncertainties. , 2013, , .		4
142	Sliding mode control of a buck converter for maximum power point tracking of a solar panel. , 2013, , .		8
143	Tracking control of spacecraft formation flying using Fuzzy sliding mode control with adaptive tuning technique. , 2013, , .		6
144	On-Line Melody Extraction From Polyphonic Audio Using Harmonic Cluster Tracking. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 520-530.	3.2	20

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145	RNN Based Solar Radiation Forecasting Using Adaptive Learning Rate. Lecture Notes in Computer Science, 2013, , 442-452.	1.3	14
146	Design and Development of Robotic Fish Swarm Based Coast Monitoring System. , 2013, , .		2
147	Manipulability analysis of human thumb, index and middle fingers in cooperative 3D rotational movements of a small object. Robotica, 2013, 31, 797-809.	1.9	7
148	Facial Expression Recognition with Regional Features Using Local Binary Patterns. Lecture Notes in Computer Science, 2013, , 556-563.	1.3	3
149	Swarm aggregation using artificial potential field and fuzzy sliding mode control with adaptive tuning technique. , 2012, , .		5
150	Query Representation through Lexical Association for Information Retrieval. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 2260-2273.	5.7	3
151	An iterative robot-image Jacobian approximation of image-based visual servoing for joint limit avoidance. International Journal of Mechatronics and Automation, 2012, 2, 227.	0.2	3
152	On balancing a cart-pole system using Tâ€™S fuzzy model. Fuzzy Sets and Systems, 2012, 207, 94-110.	2.7	8
153	A position based visual tracking system for a 7 DOF robot manipulator using a Kinect camera. , 2012, , .		18
154	A Single Network Adaptive Critic-Based Redundancy Resolution Scheme for Robot Manipulators. IEEE Transactions on Industrial Electronics, 2012, 59, 3241-3253.	7.9	50
155	Grasping Region Identification in Novel Objects Using Microsoft Kinect. Lecture Notes in Computer Science, 2012, , 172-179.	1.3	3
156	Design of Distribution Independent Noise Filters with Online PDF Estimation. Lecture Notes in Computer Science, 2012, , 25-32.	1.3	0
157	Coordinated traffic scheduling for communicating mobile robots. , 2011, , .		0
158	Crustal tomographic imaging and geodynamic implications toward south of Southern Granulite Terrain (SGT), India. Earth and Planetary Science Letters, 2011, 309, 166-166.	4.4	12
159	Tomographic imaging of large volcanic province due to intense magmatism in the Mahanadi delta of eastern India. Physics of the Earth and Planetary Interiors, 2011, 189, 142-150.	1.9	5
160	EEG denoising with a recurrent quantum neural network for a brain-computer interface. , 2011, , .		7
161	Anisotropic P-wave velocity analysis and seismic imaging in onshore Kutch sedimentary basin of India. Journal of Applied Geophysics, 2011, 74, 215-228.	2.1	8
162	A computationally efficient approach for Jacobian approximation of image based visual servoing for joint limit avoidance. , 2011, , .		1

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163	Novel Techniques for Robust Lip Segmentations, Automatic Features Initialization and Tracking. , 2011, , .		2
164	Kinematic control of a redundant manipulator using an inverse-forward adaptive scheme with a KSOM based hint generator. Robotics and Autonomous Systems, 2010, 58, 622-633.	5.1	30
165	Visual servoing of redundant manipulator with Jacobian matrix estimation using self-organizing map. Robotics and Autonomous Systems, 2010, 58, 978-990.	5.1	38
166	Visual motor control of a 7 DOF robot manipulator using a fuzzy SOM network. Intelligent Service Robotics, 2010, 3, 49-60.	2.6	12
167	Image Based Visual Servoing of a 7 DOF robot manipulator using a distributed fuzzy proportional controller. , 2010, , .		13
168	Visual motor control of a 7DOF redundant manipulator using redundancy preserving learning network. Robotica, 2010, 28, 795-810.	1.9	29
169	PSO based modeling of Takagi-Sugeno fuzzy motion controller for dynamic object tracking with mobile platform. , 2010, , .		5
170	A system of systems approach in face feature tracking for real time applications. , 2010, , .		0
171	Face feature tracking with automatic initialization and failure recovery. , 2010, , .		2
172	A T-S fuzzy based adaptive critic for continuous-time input affine nonlinear systems. , 2009, , .		5
173	An Information Retrieval Model Based on Automatically Learnt Concept Hierarchies. , 2009, , .		1
174	GPS and sonar based area mapping and navigation by mobile robots. , 2009, , .		10
175	Decentralized Motion Coordination for a Formation of Rovers. IEEE Systems Journal, 2009, 3, 369-381.	4.6	24
176	Migration velocity analysis for tilted transversely isotropic media. Geophysical Prospecting, 2009, 57, 13-26.	1.9	30
177	Direct adaptive neural control for affine nonlinear systems. Applied Soft Computing Journal, 2009, 9, 756-764.	7.2	34
178	Adaptive critic based redundancy resolution scheme for robot manipulators. , 2009, , .		1
179	Computer Simulation of Aá¹á¹-ÄdhyÄyÄ«: Some Insights. Lecture Notes in Computer Science, 2009, , 139-161.	1.3	1
180	Sonar-Based Rover Navigation for Single or Multiple Platforms: Forward Safe Path and Target Switching Approach. IEEE Systems Journal, 2008, 2, 258-272.	4.6	10

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181	Visual Motor Control of a 7 DOF Robot Manipulator Using Function Decomposition and Sub-Clustering in Configuration Space. <i>Neural Processing Letters</i> , 2008, 28, 17-33.	3.2	12
182	Multi-domain robotic swarm communication system. , 2008, , .		21
183	Direct Adaptive Neural Control Scheme for Discrete Time Affine Nonlinear Systems. , 2008, , .		1
184	Sonar based Autonomous Automatic Guided Vehicle (AGV) navigation. , 2008, , .		10
185	Visual motor control of a 6 DOF robot manipulator using a fuzzy learning paradigm. , 2008, , .		2
186	Swing-up control strategies for a reaction wheel pendulum. <i>International Journal of Systems Science</i> , 2008, 39, 1165-1177.	5.5	37
187	Vector control of a permanent magnet synchronous motor. , 2008, , .		55
188	Corrections to "On Adaptive Learning Rate That Guarantees Convergence in Feedforward Networks" [Sep 06 1116-1125]. <i>IEEE Transactions on Neural Networks</i> , 2008, 19, 1141-1141.	4.2	3
189	Implementation of a neural network based visual motor control algorithm for A 7 DOF redundant manipulator. , 2008, , .		0
190	Application of Bayesian Framework in Natural Language Understanding. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , 2008, 25, 251.	3.2	5
191	A Model-free Redundancy Resolution Technique for Visual Motor Coordination of a 6 DOF robot manipulator. , 2007, , .		6
192	Direct Adaptive Control using Single Network Adaptive Critic. , 2007, , .		8
193	Variable-Gain Controllers for Nonlinear Systems Using the Tâ€™S Fuzzy Model. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2006, 36, 1442-1449.	5.0	26
194	A tomographic image of upper crustal structure using P and S wave seismic refraction data in the southern granulite terrain (SGT), India. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	16
195	On Adaptive Learning Rate That Guarantees Convergence in Feedforward Networks. <i>IEEE Transactions on Neural Networks</i> , 2006, 17, 1116-1125.	4.2	134
196	Information Processing Using Quantum Probability. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	0
197	Kinematic Control of Robot Manipulators using Visual Feedback. , 2006, , .		1
198	Neural Network Based Direct Adaptive Control for a Class of Affine Nonlinear Systems. , 2006, , .		3

#	ARTICLE	IF	CITATIONS
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