

Laxmidhar Behera

List of Publications by Year in descending order

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206
papers

3,160
citations

201674

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times ranked

2758
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	On Adaptive Learning Rate That Guarantees Convergence in Feedforward Networks. IEEE Transactions on Neural Networks, 2006, 17, 1116-1125.	4.2	134
3	Automatic Facial Expression Recognition System Using Deep Network-Based Data Fusion. IEEE Transactions on Cybernetics, 2018, 48, 103-114.	9.5	134
4	Emotion recognition from geometric facial features using self-organizing map. Pattern Recognition, 2014, 47, 1282-1293.	8.1	115
5	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
6	EEG-Based Mobile Robot Control Through an Adaptive Brain-Computer Interface. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2014, 44, 1278-1285.	9.3	88
7	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
8	Adaptive Critic-Based Event-Triggered Control for HVAC System. IEEE Transactions on Industrial Informatics, 2018, 14, 178-188.	11.3	76
9	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
10	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
11	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
12	Trajectory Tracking by Multiple Agents in Formation With Collision Avoidance and Connectivity Assurance. IEEE Systems Journal, 2018, 12, 2449-2460.	4.6	60
13	ON SPATIAL CONSENSUS FORMATION: IS THE SZNAJD MODEL DIFFERENT FROM A VOTER MODEL?. International Journal of Modern Physics C, 2003, 14, 1331-1354.	1.7	55
14	Vector control of a permanent magnet synchronous motor. , 2008, , .		55
15	A Single Network Adaptive Critic-Based Redundancy Resolution Scheme for Robot Manipulators. IEEE Transactions on Industrial Electronics, 2012, 59, 3241-3253.	7.9	50
16	A novel multi-agent formation control law with collision avoidance. IEEE/CAA Journal of Automatica Sinica, 2017, 4, 558-568.	18.1	49
17	Evidence of underplating from seismic and gravity studies in the Mahanadi delta of eastern India and its tectonic significance. Journal of Geophysical Research, 2004, 109, .	3.3	45
18	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

#	ARTICLE	IF	CITATIONS
19	Control of an optimal finger exoskeleton based on continuous joint angle estimation from EMG signals. , 2013, 2013, 338-41.		40
20	A Context-Based Word Indexing Model for Document Summarization. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 1693-1705.	5.7	39
21	Visual servoing of redundant manipulator with Jacobian matrix estimation using self-organizing map. Robotics and Autonomous Systems, 2010, 58, 978-990.	5.1	38
22	Swing-up control strategies for a reaction wheel pendulum. International Journal of Systems Science, 2008, 39, 1165-1177.	5.5	37
23	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
24	Direct adaptive neural control for affine nonlinear systems. Applied Soft Computing Journal, 2009, 9, 756-764.	7.2	34
25	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
26	A Recurrent Quantum Neural Network Model to Describe Eye Tracking of Moving Targets. Foundations of Physics Letters, 2005, 18, 357-370.	0.6	32
27	Migration velocity analysis for tilted transversely isotropic media. Geophysical Prospecting, 2009, 57, 13-26.	1.9	30
28	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
29	Visual motor control of a 7DOF redundant manipulator using redundancy preserving learning network. Robotica, 2010, 28, 795-810.	1.9	29
30	Variable-Gain Controllers for Nonlinear Systems Using the Tâ€“S Fuzzy Model. IEEE Transactions on Systems, Man, and Cybernetics, 2006, 36, 1442-1449.	5.0	26
31	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
32	Online Eye state recognition from EEG data using Deep architectures. , 2016, , .		26
33	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
34	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
35	Finiteâ€“time super twisting sliding mode controller based on higherâ€“order sliding mode observer for realâ€“time trajectory tracking of a quadrotor. IET Control Theory and Applications, 2020, 14, 2359-2371.	2.1	26
36	Decentralized Motion Coordination for a Formation of Rovers. IEEE Systems Journal, 2009, 3, 369-381.	4.6	24

#	ARTICLE	IF	CITATIONS
37	Tracking Control of Mobile Robots in Formation in the Presence of Disturbances. IEEE Transactions on Industrial Informatics, 2021, 17, 110-123.	11.3	24
38	Evaluating Quantum Neural Network filtered motor imagery brain-computer interface using multiple classification techniques. Neurocomputing, 2015, 170, 161-167.	5.9	22
39	Multiple F0 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
40	An Approach for Buck Converter PI Controller Design Using Stability Boundary Locus. , 2018, , .		22
41	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
42	Multivariable Event-Triggered Generalized Super-Twisting Controller for Safe Navigation of Nonholonomic Mobile Robot. IEEE Systems Journal, 2021, 15, 454-465.	4.6	22
43	Multi-domain robotic swarm communication system. , 2008, , .		21
44	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
45	Fast Terminal Sliding Mode Super Twisting Controller For Position And Altitude Tracking of the Quadrotor. , 2019, , .		21
46	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
47	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
48	Finite-Time Robust Admissible Consensus Control of Multirobot System Under Dynamic Events. IEEE Systems Journal, 2021, 15, 780-790.	4.6	19
49	A position based visual tracking system for a 7 DOF robot manipulator using a Kinect camera. , 2012, , .		18
50	Short-term enhancement of cognitive functions and music: A three-channel model. Scientific Reports, 2018, 8, 15528.	3.3	18
51	Real-time Grasp Pose Estimation for Novel Objects in Densely Cluttered Environment. , 2019, , .		18
52	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
53	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
54	A tomographic image of upper crustal structure using P and S wave seismic refraction data in the southern granulite terrain (SGT), India. Geophysical Research Letters, 2006, 33, .	4.0	16

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55	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
56	On an Integrated Approach to Networked Climate Control of a Smart Home. IEEE Systems Journal, 2018, 12, 1317-1328.	4.6	15
57	RNN Based Solar Radiation Forecasting Using Adaptive Learning Rate. Lecture Notes in Computer Science, 2013, , 442-452.	1.3	14
58	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
59	Analysis and Dual-loop PI Control of Bidirectional Quasi Z-Source DC-DC Converter. , 2020, , .		14
60	Visual Motor Coordination Using a Quantum Clustering Based Neural Control Scheme. Neural Processing Letters, 2004, 20, 11-22.	3.2	13
61	Image Based Visual Servoing of a 7 DOF robot manipulator using a distributed fuzzy proportional controller. , 2010, , .		13
62	Position-Based Visual Servoing of a Mobile Robot with an Automatic Extrinsic Calibration Scheme. Robotica, 2020, 38, 831-844.	1.9	13
63	Formulating Divergence Framework for Multiclass Motor Imagery EEG Brain Computer Interface. , 2020, , .		13
64	Visual Motor Control of a 7 DOF Robot Manipulator Using Function Decomposition and Sub-Clustering in Configuration Space. Neural Processing Letters, 2008, 28, 17-33.	3.2	12
65	Visual motor control of a 7 DOF robot manipulator using a fuzzy SOM network. Intelligent Service Robotics, 2010, 3, 49-60.	2.6	12
66	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
67	Quadrotor: Design, Control and Vision Based Localization. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 1104-1110.	0.4	12
68	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
69	Flocking control of multi-agent system with leader-follower architecture using consensus based estimated flocking center. , 2016, , .		11
70	EEG Based Motor Imagery Classification Using Instantaneous Phase Difference Sequence. , 2018, , .		11
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 Sinor Valod Profile of Deccan Syncline, India. Pure and Applied Geophysics, 2018, 175, 2931-2954.	1.9	11
72	Robust Hybrid Visual Servoing Using Reinforcement Learning and Finite-Time Adaptive FOSMC. IEEE Systems Journal, 2019, 13, 3467-3478.	4.6	11

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73	Perching of Nano-Quadrotor Using Self-Trigger Finite-Time Second-Order Continuous Control. IEEE Systems Journal, 2021, 15, 4989-4999.	4.6	11
74	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
75	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
76	Sonar based Autonomous Automatic Guided Vehicle (AGV) navigation. , 2008, , .		10
77	GPS and sonar based area mapping and navigation by mobile robots. , 2009, , .		10
78	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
79	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
80	Robust adaptive gain nonsingular fast terminal sliding mode control for spacecraft formation flying. , 2015, , .		10
81	DMP Based Trajectory Tracking for a Nonholonomic Mobile Robot With Automatic Goal Adaptation and Obstacle Avoidance. , 2019, , .		10
82	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
83	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
84	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
85	Facial expressions recognition system using Bayesian inference. , 2014, , .		9
86	Artificial neural network based arousal detection from sleep electroencephalogram data. , 2014, , .		9
87	Gradient-Based Collision Free Desired Formation Generation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 448-454.	0.4	9
88	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
89	Direct Adaptive Control using Single Network Adaptive Critic. , 2007, , .		8
90	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

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91	On balancing a cart-pole system using Tâ€™S fuzzy model. Fuzzy Sets and Systems, 2012, 207, 94-110.	2.7	8
92	Sliding mode control of a buck converter for maximum power point tracking of a solar panel. , 2013, , .		8
93	Musical Source Clustering and Identification in Polyphonic Audio. IEEE/ACM Transactions on Audio Speech and Language Processing, 2014, 22, 1003-1012.	5.8	8
94	Adaptive learning of dynamic movement primitives through demonstration. , 2016, , .		8
95	A novel fusion framework for robust human tracking by a service robot. Robotics and Autonomous Systems, 2017, 94, 134-147.	5.1	8
96	Teleoperation by Using Nonisomorphic Mechanisms in the Masterâ€™Slave Configuration for Speed Control. IEEE Systems Journal, 2018, 12, 1369-1380.	4.6	8
97	Adaptive Critic Based Optimal Kinematic Control for a Robot Manipulator. , 2019, , .		8
98	Domain-Independent Unsupervised Detection of Grasp Regions to grasp Novel Objects. , 2019, , .		8
99	Enabling cyberâ€™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
100	Fuzzy Divergence Based Analysis for Eeg Drowsiness Detection Brain Computer Interfaces. , 2020, , .		8
101	Query based model learning and stable tracking of a robot arm using radial basis function network. Computers and Electrical Engineering, 2003, 29, 553-573.	4.8	7
102	EEG denoising with a recurrent quantum neural network for a brain-computer interface. , 2011, , .		7
103	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
104	Local binary pattern based facial expression recognition using Self-organizing Map. , 2014, , .		7
105	Neighborhood Approximations for Non-Linear Voter Models. Entropy, 2015, 17, 7658-7679.	2.2	7
106	Disturbance observer based backstepping controller for a quadcopter. , 2016, , .		7
107	Control of a 4 DoF Barrett WAM robot â€™ Modeling, control synthesis and experimental validation. , 2016, , .		7
108	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

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109	Quantum Stochastic Filtering. , 0, , .		6
110	A Model-free Redundancy Resolution Technique for Visual Motor Coordination of a 6 DOF robot manipulator. , 2007, , .		6
111	A novel neighborhood based document smoothing model for information retrieval. Information Retrieval, 2013, 16, 391-425.	2.0	6
112	Tracking control of spacecraft formation flying using Fuzzy sliding mode control with adaptive tuning technique. , 2013, , .		6
113	Instrument identification using PLCA over stretched manifolds. , 2014, , .		6
114	Robotic Fish Design and Control based on Biomechanics. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 662-669.	0.4	6
115	Application of Bayesian Framework in Natural Language Understanding. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2008, 25, 251.	3.2	5
116	A T-S fuzzy based adaptive critic for continuous-time input affine nonlinear systems. , 2009, , .		5
117	PSO based modeling of Takagi-Sugeno fuzzy motion controller for dynamic object tracking with mobile platform. , 2010, , .		5
118	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
119	Swarm aggregation using artificial potential field and fuzzy sliding mode control with adaptive tuning technique. , 2012, , .		5
120	Development of a Fuzzy Sliding Mode Controller with adaptive tuning technique for a MRI guided robot in the human vasculature. , 2015, , .		5
121	On redundancy resolution of the human thumb, index and middle fingers in cooperative object translation. Robotica, 2017, 35, 1992-2017.	1.9	5
122	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
123	HJB equation based learning scheme for neural networks. , 2017, , .		5
124	Autoencoding Convolutional Representations for Real-Time Eye-Gaze Detection. Advances in Intelligent Systems and Computing, 2019, , 229-238.	0.6	5
125	Adaptive Backstepping Neural Tracking Control of an Uncertain Robot Manipulator with Dynamic Disturbances. , 2020, , .		5
126	Policy iteration based near-optimal control scheme for robotic manipulator with model uncertainties. , 2013, , .		4

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127	A generalized novel framework for optimal sensor-controller connection design to guarantee a stable cyber physical smart grid. , 2015, , .		4
128	Delay constrained utility maximization in Cyber Physical System with mobile robotic networks. , 2016, , .		4
129	Intelligent controller design coupled in a communication framework for a networked HVAC system. , 2016, , .		4
130	Design of Passivity Based Cyber Physical System with Markovian Losses and Delay. IFAC-PapersOnLine, 2017, 50, 1971-1976.	0.9	4
131	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
132	Vision-based Fractional Order Sliding Mode Control for Autonomous Vehicle Tracking by a Quadrotor UAV. , 2019, , .		4
133	A Direct Perturbation based Sensor-free MPPT with DC Bus Voltage Control for a Standalone DC Microgrid. , 2019, , .		4
134	Evolutionary Algorithm Tuned Fuzzy PI Controller for a Networked HVAC System. Studies in Fuzziness and Soft Computing, 2018, , 319-334.	0.8	4
135	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
136	Corrections to "On Adaptive Learning Rate That Guarantees Convergence in Feedforward Networks" [Sep 06 1116-1125]. IEEE Transactions on Neural Networks, 2008, 19, 1141-1141.	4.2	3
137	Query Representation through Lexical Association for Information Retrieval. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 2260-2273.	5.7	3
138	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
139	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
140	SURF-based human tracking algorithm for a human-following mobile robot. , 2015, , .		3
141	Improving microgrid voltage stability through cyber-physical control. , 2016, , .		3
142	Adaptive fuzzy nonsingular fast terminal sliding mode control for spacecraft formation flying. , 2016, , .		3
143	Dynamic modeling of a non-ideal DC-DC positive output elementary super-lift Luo converter. , 2017, , .		3
144	Deep Network based Automatic Annotation for Warehouse Automation. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
145	Vision-based Fast-terminal Sliding Mode Super Twisting Controller for Autonomous Landing of a Quadrotor on a Static Platform. , 2019, , .		3
146	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
147	Grasping Region Identification in Novel Objects Using Microsoft Kinect. Lecture Notes in Computer Science, 2012, , 172-179.	1.3	3
148	Neural Network Based Direct Adaptive Control for a Class of Affine Nonlinear Systems. , 2006, , .		3
149	Facial Expression Recognition with Regional Features Using Local Binary Patterns. Lecture Notes in Computer Science, 2013, , 556-563.	1.3	3
150	Visual motor control of a 6 DOF robot manipulator using a fuzzy learning paradigm. , 2008, , .		2
151	Face feature tracking with automatic initialization and failure recovery. , 2010, , .		2
152	T-S fuzzy model based Maximum Power Point Tracking control of photovoltaic system. , 2013, , .		2
153	Design and Development of Robotic Fish Swarm Based Coast Monitoring System. , 2013, , .		2
154	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
155	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
156	Continuous-time single network adaptive critic based optimal sliding mode control for nonlinear control affine systems. , 2015, , .		2
157	Learning object manipulation from demonstration through vision for the 7-DOF barrett WAM. , 2016, , .		2
158	Position Based Visual Control of the Hovering Quadcopter. Lecture Notes in Computer Science, 2017, , 15-26.	1.3	2
159	Elastic anisotropic finite-difference full-wave modeling and imaging of the tilted transversely isotropic (TTI) media. , 2017, , .		2
160	A passivity based system design for non-holonomic mobile robot in presence of delay and traffic disturbances. , 2017, , .		2
161	Learning Stable Movement Primitives by Finding a Suitable Fuzzy Lyapunov Function from Kinesthetic Demonstrations. , 2018, , .		2
162	Learning Optimal Parameterized Policy for High Level Strategies in a Game Setting. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
163	Novel Techniques for Robust Lip Segmentations, Automatic Features Initialization and Tracking. , 2011, , .		2
164	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
165	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
166	Detecting sub-basalt Mesozoic sediments and active tectonics in the Narmada-Tapti Rift Zone, central India. Geosystems and Geoenvironment, 2022, , 100047.	3.2	2
167	Direct Adaptive Neural Control Scheme for Discrete Time Affine Nonlinear Systems. , 2008, , .		1
168	An Information Retrieval Model Based on Automatically Learnt Concept Hierarchies. , 2009, , .		1
169	Adaptive critic based redundancy resolution scheme for robot manipulators. , 2009, , .		1
170	A computationally efficient approach for Jacobian approximation of image based visual servoing for joint limit avoidance. , 2011, , .		1
171	SNAC based near-optimal controller for robotic manipulator with unknown dynamics. , 2014, , .		1
172	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
173	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
174	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
175	A probabilistic framework of learning movement primitives from unstructured demonstrations. , 2015, , .		1
176	Virtual agent based static and dynamic boundary estimation and tracking with multiple agents. , 2015, , .		1
177	Redundancy Resolution of an Index Finger Exoskeleton using Self Organizing Map. , 2018, , .		1
178	Reward based Single Network Adaptive Critic for Optimal Kinematic Control of a Redundant Robot Manipulator. , 2018, , .		1
179	Q-learning Based Navigation of a Quadrotor using Non-singular Terminal Sliding Mode Control. , 2019, , .		1
180	Discrete-Time Lyapunov based Kinematic Control of Robot Manipulator using Actor-Critic Framework. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
181	Combined Online and Offline Inverse Dynamics Learning for a Robot Manipulator. , 2020, , .		1
182	Kinematic Control of Robot Manipulators using Visual Feedback. , 2006, , .		1
183	Computer Simulation of Aá¹á¹-ÄdhyÄyÄ: Some Insights. Lecture Notes in Computer Science, 2009, , 139-161.	1.3	1
184	Workspace Modelling of a Parallel Robot with Relative Manipulation Mechanisms Based on Optimization Methods. Mechanisms and Machine Science, 2020, , 151-163.	0.5	1
185	Special Issue on Robot and Human Interactive Communication 2020 (Part II). Advanced Robotics, 2020, 34, 1545-1545.	1.8	1
186	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
187	Disturbance Observer based Controller Design to Reduce Sensor Count in Standalone PVDG Systems. , 2020, , .		1
188	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
189	A Query Based Learning Algorithm for Modelling Robot Manipulator Dynamics using Network Inversion. IETE Journal of Research, 1996, 42, 255-260.	2.6	0
190	A Neural Controller based Binocular Vision System for Object Tracking. IETE Journal of Research, 1999, 45, 63-71.	2.6	0
191	Information Processing Using Quantum Probability. AIP Conference Proceedings, 2006, , .	0.4	0
192	Implementation of a neural network based visual motor control algorithm for A 7 DOF redundant manipulator. , 2008, , .		0
193	A system of systems approach in face feature tracking for real time applications. , 2010, , .		0
194	Coordinated traffic scheduling for communicating mobile robots. , 2011, , .		0
195	A novel SURF-based algorithm for tracking a ‘Human’ in a dynamic environment. , 2014, , .		0
196	Contradictions in the quantum mechanical explanation of the periodic table. Journal of Physics: Conference Series, 2014, 490, 012197.	0.4	0
197	Shoulder pain intensity recognition using Gaussian mixture models. , 2015, , .		0
198	Tracking of a randomly moving target by flock of multiple agents using leader-follower approach. , 2015, , .		0

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