Wail Gueaieb

List of Publications by Year
in descending order

107	1,388	471061	395343
papers	citations	17	33
		h-index	g-index

107	107	107	1243
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	An Intelligent Mobile Robot Navigation Technique Using RFID Technology. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 1908-1917.	2.4	132
2	ANN-Based Adaptive Control of Robotic Manipulators With Friction and Joint Elasticity. IEEE Transactions on Industrial Electronics, 2009, 56, 3174-3187.	5.2	126
3	A Robust Hybrid Intelligent Position/Force Control Scheme for Cooperative Manipulators. IEEE/ASME Transactions on Mechatronics, 2007, 12, 109-125.	3.7	119
4	Type-2 Fuzzy Logic Control of a Flexible-Joint Manipulator. Journal of Intelligent and Robotic Systems: Theory and Applications, 2008, 51, 159-186.	2.0	80
5	Robust computationally efficient control of cooperative closed-chain manipulators with uncertain dynamics. Automatica, 2007, 43, 842-851.	3.0	62
6	A robust adaptive fuzzy position/force control scheme for cooperative manipulators. IEEE Transactions on Control Systems Technology, 2003, 11, 516-528.	3.2	57
7	A Self-Adjusting Adaptive AVR-LFC Scheme for Synchronous Generators. IEEE Transactions on Power Systems, 2019, 34, 5073-5075.	4.6	40
8	Pileup Correction Algorithms for Very-High-Count-Rate Gamma-Ray Spectrometry With NaI(Tl) Detectors. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 122-130.	2.4	33
9	Augmenting Context Awareness by Combining Body Sensor Networks and Social Networks. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 345-353.	2.4	26
10	Mobile robot trajectory tracking using noisy RSS measurements: An RFID approach. ISA Transactions, 2014, 53, 433-443.	3.1	26
11	Model–free adaptive learning control scheme for wind turbines with doubly fed induction generators. IET Renewable Power Generation, 2018, 12, 1675-1686.	1.7	26
12	Computationally Efficient Adaptive Type-2 Fuzzy Control of Flexible-Joint Manipulators. Robotics, 2013, 2, 66-91.	2.1	25
13	Hybrid Neural Fuzzy Sliding Mode Control of Flexible-Joint Manipulators with Unknown Dynamics. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	24
14	Segmentation of Dental Radiographs Using a Swarm Intelligence Approach. , 2006, , .		23
15	Building Dynamic Social Network From Sensory Data Feed. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 1327-1341.	2.4	23
16	Tele-Wobble: A Telerehabilitation Wobble Board for Lower Extremity Therapy. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 1816-1824.	2.4	23
17	Ant colony-based many-to-one sensory data routing in Wireless Sensor Networks. , 2008, , .		22
18	A Fuzzy-Based Adaptive Rehabilitation Framework for Home-Based Wrist Training. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 135-144.	2.4	21

#	ARTICLE	IF	CITATIONS
19	RFID-Based Mobile Robot Trajectory Tracking and Point Stabilization Through On-line Neighboring Optimal Control. Journal of Intelligent and Robotic Systems: Theory and Applications, 2015, 78, 377-399.	2.0	21
20	E-Glove: An electronic glove with vibro-tactile feedback for wrist rehabilitation of post-stroke patients. , 2011, , .		19
21	Load frequency regulation for multiâ€area power system using integral reinforcement learning. IET Generation, Transmission and Distribution, 2019, 13, 4311-4323.	1.4	19
22	SENORA: A P2P Service-Oriented Framework for Collaborative Multirobot Sensor Networks. IEEE Sensors Journal, 2007, 7, 658-666.	2.4	18
23	Adaptive environment classification system for hearing aids. Journal of the Acoustical Society of America, 2010, 127, 3124-3135.	0.5	17
24	Model-Free Gradient-Based Adaptive Learning Controller for an Unmanned Flexible Wing Aircraft. Robotics, 2018, 7, 66.	2.1	16
25	RFID-based interactive multimedia system for the children. Multimedia Tools and Applications, 2012, 59, 749-774.	2.6	15
26	SenseFace: A sensor network overlay for social networks. , 2009, , .		14
27	Hybrid Power Plant Design for a Long-Range Dirigible UAV. IEEE/ASME Transactions on Mechatronics, 2014, 19, 606-614.	3.7	14
28	Multi-agent reinforcement learning approach based on reduced value function approximations. , 2017, , .		13
29	Online modelâ€free reinforcement learning for the automatic control of a flexible wing aircraft. IET Control Theory and Applications, 2020, 14, 73-84.	1.2	13
30	Knowledge-based image segmentation using swarm intelligence techniques. International Journal of Innovative Computing and Applications, 2012, 4, 75.	0.2	12
31	Planar kinematics analysis of a snake-like robot. Robotica, 2014, 32, 659-675.	1.3	12
32	An RFID-Based robot navigation system with a customized RFID tag architecture. , 2007, , .		11
33	Guidance Mechanism for Flexible-Wing Aircraft Using Measurement-Interfaced Machine-Learning Platform. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4637-4648.	2.4	11
34	A Modular Cost-Effective Mobile Robot Navigation System Using RFID Technology. Journal of Communications, 2009, 4, .	1.3	11
35	Mobile robot navigation using particle swarm optimization and noisy RFID communication. , 2008, , .		10
36	An ambient intelligent body sensor network for e-Health applications. , 2009, , .		10

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37	A High-Fidelity Energy Efficient Path Planner for Unmanned Airships. Robotics, 2017, 6, 28.	2.1	10
38	Intelligent Parallel Parking of a Car-like Mobile Robot Using RFID Technology. , 2007, , .		9
39	Data visualization: From body sensor network to social networks. , 2009, , .		9
40	Neural network based speed observer for interior permanent magnet synchronous motor drives. , 2009, , .		9
41	RehaBall: Rehabilitation of upper limbs with a sensory-integrated stress ball. , 2011, , .		9
42	Guest Editorial Introduction to the Focused Section on Wireless Mechatronics. IEEE/ASME Transactions on Mechatronics, 2012, 17, 397-403.	3.7	9
43	Optimal time-varying P-controller for a class of uncertain nonlinear systems. International Journal of Control, Automation and Systems, 2014, 12, 722-732.	1.6	9
44	Context-aware social networks mashup: A personalized web perspective. , 2010, , .		8
45	CAHR: A Contextually Adaptive Home-Based Rehabilitation Framework. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 427-438.	2.4	8
46	Indoor robot navigation through intelligent processing of RFID signal measurements. , 2010, , .		7
47	Determining wrist reference kinematics using a sensory-mounted stress ball. , 2012, , .		7
48	Magic stick: A tangible interface for the edutainment of young children. , 2009, , .		6
49	E-wobble: An electronic wobble board for ankle and toe rehabilitation. , 2011, , .		6
50	Experimental Testing of a Hybrid Power Plant for a Dirigible UAV. Journal of Intelligent and Robotic Systems: Theory and Applications, 2013, 69, 69.	2.0	6
51	Long-range communication framework for multi-agent autonomous UAVs. , 2014, , .		6
52	RÃ©nyi Entropy Filter for Anomaly Detection With Eddy Current Remote Field Sensors. IEEE Sensors Journal, 2015, 15, 6399-6408.	2.4	6
53	Online model-free controller for flexible wing aircraft: a policy iteration-based reinforcement learning approach. International Journal of Intelligent Robotics and Applications, 2020, 4, 21-43.	1.6	6
54	LINEAR TIME-VARYING FEEDBACK LAW FOR VEHICLES WITH ACKERMANN STEERING. International Journal of Robotics and Automation, 2017, 32, .	0.1	6

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55	A context-aware multimedia framework toward personal social network services. Multimedia Tools and Applications, 2012, 71, 1717.	2.6	5
56	A modular mobile exergaming system with an adaptive behavior. , 2015, , .		5
57	Multi-Agent Synchronization Using Online Model-Free Action Dependent Dual Heuristic Dynamic Programming Approach. , 2019, , .		5
58	Robust Tracking of a Lightweight Manipulator System. Nonlinear Dynamics, 1999, 20, 169-179.	2.7	4
59	A stochastic approach of mobile robot navigation using customized RFID systems. , 2009, , .		4
60	Adding emotional tag to augment context-awareness in social network services. , 2011, , .		4
61	Dynamics and Control of a Planar Multibody Mobile Robot for Confined Environment Inspection. Journal of Computational and Nonlinear Dynamics, 2015, 10, .	0.7	4
62	TRAJECTORY OPTIMIZATION OF A SMALL AIRSHIP IN A MOVING FLUID. Transactions of the Canadian Society for Mechanical Engineering, 2016, 40, 191-200.	0.3	4
63	Unmanned airship design with sliding ballast: Modeling and experimental validation. , 2016, , .		4
64	Flocking motion control for a system of nonholonomic vehicles. , 2017, , .		4
65	Model-Free Adaptive Control Approach Using Integral Reinforcement Learning. , 2019, , .		4
66	Neurofuzzy Reinforcement Learning Control Schemes for Optimized Dynamical Performance. , 2019, , .		4
67	Online Multi-Objective Model-Independent Adaptive Tracking Mechanism for Dynamical Systems. Robotics, 2019, 8, 82.	2.1	4
68	Reinforcement Learning Solution with Costate Approximation for a Flexible Wing Aircraft. , 2018, , .		4
69	An Adaptive Fuzzy Reinforcement Learning Cooperative Approach for the Autonomous Control of Flock Systems. , 2021, , .		4
70	ANN-based adaptive motion and posture control of an inverted pendulum with unknown dynamics. , 2009, , .		3
71	Efficient Cholesky Factor Recovery for Column Reordering in Simultaneous Localisation and Mapping. Journal of Intelligent and Robotic Systems: Theory and Applications, 2016, 84, 859-875.	2.0	3
72	An Online Reinforcement Learning Wing-Tracking Mechanism for Flexible Wing Aircraft. , 2019, , .		3

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73	3D scar segmentation from LGE-MRI using a continuous max-flow method. , 2018, , .		3
74	A FAST HYBRID ALGORITHM FOR MULTICAST ROUTING IN WIRELESS NETWORKS. International Journal on Artificial Intelligence Tools, 2007, 16, 45-68.	0.7	2
75	Experiments on a novel modular cost-effective RFID-based mobile robot navigation system. , 2007, , .		2
76	Ubiquitous social network stack for e-Health applications. , 2010, , .		2
77	Evaluation of the Phase-Inversion Signal Separation Method When Using Nonlinear Hearing Aids. IEEE Transactions on Audio Speech and Language Processing, 2013, 21, 879-888.	3.8	2
78	Maritime air defence firing tactics. , 2014, , .		2
79	Linear time-invariant feedback operator for mobile robot trajectory tracking. , 2015, , .		2
80	Genetic algorithm based direction finder on the manifold for singularity free paths. , 2016, , .		2
81	Model-Free Value Iteration Solution for Dynamic Graphical Games. , 2018, , .		2
82	Comparison of myocardial scar geometries generated from 2D and 3D LGE MRI. , 2018, , .		2
83	Computational Intelligence Based Approach for the Joint Trajectory Generation of Cooperative Robotic Systems. Systems Analysis Modelling Simulation, 2002, 42, 1499-1520.	0.1	1
84	FPGA implementation of a hybrid neural fuzzy controller for flexible-joint manipulators with uncertain dynamics. , 2007, , .		1
85	Artificial Neural Network Control of a Flexible-Joint Manipulator Under Unstructured Dynamic Uncertainties. , 2007, , .		1
86	A P2P Sensor Framework for Collaborative Robots Manipulation. , 2007, , .		1
87	A Wiener-based implementation of equalization-cancellation pre-processing for binaural speech intelligibility prediction. , 2009, , .		1
88	E-dumbbell: An electronic dumbbell with haptic feedback for wrist rehabilitation. , 2011, , .		1
89	Entropy filter for anomaly detection with eddy current remote field sensors. , 2011, , .		1
90	Reconfigurable EKF for 2D SLAM. , 2016, , .		1

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91	Optimal control for the trajectory planning of micro airships. , 2017, , .		1
92	Modeling of evanescent-wave coupling between optical dielectric waveguides. International Journal of Modelling and Simulation, 2019, 39, 38-47.	2.3	1
93	Model-Free Optimized Tracking Control Heuristic. Robotics, 2020, 9, 49.	2.1	1
94	Integral reinforcement learning solutions for a synchronisation system with constrained policies. IET Control Theory and Applications, 2020, 14, 1599-1611.	1.2	1
95	A Data-Driven Model-Reference Adaptive Control Approach Based on Reinforcement Learning. , 2021, , .		1
96	Trajectory Tracking of Underactuated Sea Vessels With Uncertain Dynamics: An Integral Reinforcement Learning Approach. , 2020, , .		1
97	A Policy Iteration Approach for Flock Motion Control. , 2021, , .		1
98	A Modular Sliding Mode Controller for Cooperative Closed-Chain Manipulators With Uncertain Dynamics. , 2006, , .		0
99	Soft computing and intelligent systems design - [Book review]. IEEE Computational Intelligence Magazine, 2006, 1, 42-44.	3.4	0
100	A Framework for Sensory-based P2P Collaborative Environment. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	0
101	A Fast Scalable Evolutionary Algorithm for the QoS Multicast Routing Problem. Intelligent Automation and Soft Computing, 2008, 14, 461-478.	1.6	0
102	Evaluation of two speech and noise estimation methods for the assessment of nonlinear hearing aids. , 2011, , .		0
103	Neighboring optimal control for mobile robot trajectory tracking with range-limited sensors. , 2015, , .		0
104	An Adaptive Learning Flexible Control Scheme for Wind Doubly-Fed Induction Generator. , 2019, , 101-126.		0
105	Guest Editorial Special Section on Robotic and Sensors Environments. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4623-4624.	2.4	0
106	Data-Driven Optimized Tracking Control Heuristic for MIMO Structures: A Balance System Case Study. , 2020, , .		0
107	Constraint-Free Discretized Manifolds for Robotic Path Planning. , 2020, , .		0