

# Hayder F N Al-Shuka

## List of Publications by Year in descending order

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22  
papers

277  
citations

1040018

9  
h-index

996954

15  
g-index

24  
all docs

24  
docs citations

24  
times ranked

177  
citing authors

#	ARTICLE	IF	CITATIONS
1	Function approximation technique (FAT)-based nonlinear control strategies for smart thin plates with cubic nonlinearities. FME Transactions, 2022, 50, 168-180.	1.4	1
2	Recent Advances in Bipedal Walking Robots: Review of Gait, Drive, Sensors and Control Systems. Sensors, 2022, 22, 4440.	3.8	30
3	Adaptive Approximation-Based Feedback Linearization Control for a Nonlinear Smart Thin Plate. International Journal of Mechanical Engineering and Robotics Research, 2021, , 458-463.	1.0	3
4	FAT-based adaptive backstepping control of an electromechanical system with an unknown input coefficient. FME Transactions, 2021, 49, 113-120.	1.4	6
5	On modelling and adaptive control of a linear smart beam model interacting with fluid. IOP Conference Series: Materials Science and Engineering, 2021, 1091, 012008.	0.6	0
6	Regressor-free adaptive vibration control of constrained smart beams with axial stretching. SN Applied Sciences, 2020, 2, 1.	2.9	3
7	Proxy-Based Sliding Mode Vibration Control with an Adaptive Approximation Compensator for Euler-Bernoulli Smart Beams. Journal Europeen Des Systemes Automatises, 2020, 53, 825-834.	0.4	2
8	Biomechanics, actuation, and multi-level control strategies of power-augmentation lower extremity exoskeletons: an overview. International Journal of Dynamics and Control, 2019, 7, 1462-1488.	2.5	22
9	Decentralized adaptive partitioned approximation control of high degrees-of-freedom robotic manipulators considering three actuator control modes. International Journal of Dynamics and Control, 2019, 7, 744-757.	2.5	10
10	Decentralized Adaptive Partitioned Approximation Control of Robotic Manipulators. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2019, , 10-17.	0.6	4
11	On local approximation-based adaptive control with applications to robotic manipulators and biped robots. International Journal of Dynamics and Control, 2018, 6, 339-353.	2.5	11
12	Hybrid Regressor and Approximation-Based Adaptive Control of Piezoelectric Flexible Beams. , 2018, , .		5
13	Active Impedance Control of Bioinspired Motion Robotic Manipulators: An Overview. Applied Bionics and Biomechanics, 2018, 2018, 1-19.	1.1	41
14	Hybrid Regressor and Approximation-Based Adaptive Control of Robotic Manipulators with Contact-Free Motion. , 2018, , .		13
15	On high-level control of power-augmentation lower extremity exoskeletons: Human walking intention. , 2018, , .		6
16	On low-level control strategies of lower extremity exoskeletons with power augmentation. , 2018, , .		7
17	Multi-level control of zero-moment point-based humanoid biped robots: a review. Robotica, 2016, 34, 2440-2466.	1.9	35
18	Modeling, stability and walking pattern generators of biped robots: a review. Robotica, 2014, 32, 907-934.	1.9	30

#	ARTICLE	IF	CITATIONS
19	Function approximation technique-based adaptive virtual decomposition control for a serial-chain manipulator. <i>Robotica</i> , 2014, 32, 375-399.	1.9	24
20	On the Walking Pattern Generators of Biped Robot. <i>Journal of Automation and Control Engineering</i> , 2013, 1, 149-155.	0.3	10
21	Finite Difference-Based Suboptimal Trajectory Planning of Biped Robot with Continuous Dynamic Response. <i>International Journal of Modeling and Optimization</i> , 2013, , 337-343.	0.4	5
22	On the Dynamic Optimization of Biped Robot. <i>Lecture Notes on Software Engineering</i> , 2013, , 237-237.	0.3	9