Venkatesan Muthukumar

List of Publications by Year
in descending order

26 papers	190 citations	1306789 7 h-index	1199166 12 g-index
27 all docs	27 docs citations	27 times ranked	182 citing authors

#	Article	IF	Citations
1	Video Based Vehicle Detection and its Application in Intelligent Transportation Systems. Journal of Transportation Technologies, 2012, 02, 305-314.	0.2	51
2	Testing the acceptability and initial efficacy of a smartphone-app mindfulness intervention for college student veterans with PTSD. Archives of Psychiatric Nursing, 2020, 34, 58-66.	0.7	25
3	Finite-time sliding mode and super-twisting control of fighter aircraft. Aerospace Science and Technology, 2018, 82-83, 487-498.	2.5	22
4	Promoting Resilience Among College Student Veterans Through an Acceptance-and-Commitment-Therapy App: An Intervention Refinement Study. Community Mental Health Journal, 2020, 56, 1206-1214.	1.1	13
5	An efficient variable partitioning approach for functional decomposition of circuits. Journal of Systems Architecture, 2007, 53, 53-67.	2.5	8
6	Traffic Aware Scheduling Algorithm for Network on Chip. , 2009, , .		8
7	Efficient Scheduling Algorithms for MpSoC Systems. , 2011, , .		8
8	Real-Time Horizon Line Detection based on Fusion of Classification and Clustering. International Journal of Computer Applications, 2015, 121, 5-11.	0.2	8
9	Framework for Simulation of Heterogeneous MpSoC for Design Space Exploration. VLSI Design, 2013, 2013, 1-16.	0.5	7
10	Proof-of-Concept Testing of a Real-Time mHealth Measure to Estimate Postural Control During Walking: A Potential Application for Mild Traumatic Brain Injuries. Asian Pacific Island Nursing Journal, 2018, 3, 177-183.	0.3	7
11	Energy Aware Scheduling of Aperiodic Real-Time Tasks on Multiprocessor Systems. Journal of Computing Science and Engineering, 2013, 7, 30-43.	0.3	7
12	Loopback Virtual Channel Router Architecture for Network on Chip. , 2012, , .		6
13	Multiple voltage and frequency scheduling for power minimization. Journal of Systems Architecture, 2005, 51, 382-394.	2.5	4
14	A CUDA Based Implementation of Locally-and Feature-Adaptive Diffusion Based Image Denoising Algorithm. , 2014, , .		4
15	Foot Contact Dynamics and Fall Risk among Children Diagnosed with Idiopathic Toe Walking. Applied Sciences (Switzerland), 2021, 11, 2862.	1.3	4
16	A Trajectory Based Method of Automatic Counting of Cyclist in Traffic Video Data. International Journal on Artificial Intelligence Tools, 2017, 26, 1750015.	0.7	3
17	Optimal trajectory design and analysis for soft landing on the moon from lunar parking orbits. International Journal of Space Science and Engineering, 2019, 5, 321.	0.1	2
18	Fuse-N: Framework for Unified Simulation Environment for Network-on-Chip. , 2009, , .		1

#	Article	IF	Citations
19	Robust finite-time sliding mode control of twin rotor MIMO system. International Journal of Modelling, Identification and Control, 2020, 35, 1.	0.2	1
20	Hyperspectral Methods in Microscopy Image Analysis: A Survey. , 2021, , .		1
21	Maximizing Resource Utilization by Slicing of Superscalar Architecture. , 2008, , .		0
22	A unified design space simulation environment for network-on-chip: fuse-N. International Journal of High Performance Systems Architecture, 2011, 3, 23.	0.2	0
23	Aircraft close formation control using Finite-Time Sliding Mode control Law. , 2019, , .		0
24	Linear Quadratic Regulator for Helicopter Model with a Prescribed Degree of Stability. Lecture Notes in Networks and Systems, 2021, , 379-389.	0.5	0
25	Test a Queue Detection System for Special Events in Nevada. Journal of Transportation Technologies, 2014, 04, 126-139.	0.2	0
26	Optimal trajectory design and analysis for soft landing on the moon from lunar parking orbits. International Journal of Space Science and Engineering, 2019, 5, 321.	0.1	0