Krishna K Busawon

List of Publications by Year
in descending order

49	327	1163117	940533
		8	16
papers	citations	h-index	g-index

49	49	49	304
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Intelligent Nanoscopic Cyclist Crash Modelling for Variable Environmental Conditions. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11178-11189.	8.0	0
2	Acousto-Pi: An Opto-Acoustofluidic System Using Surface Acoustic Waves Controlled With Open-Source Electronics for Integrated In-Field Diagnostics. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 411-422.	3.0	4
3	A distributed fault detection scheme in disturbed heterogeneous networked systems. Nonlinear Dynamics, 2022, 107, 2519-2538.	5.2	3
4	Modelling transport emission of an out of town centre to achieve emission reduction targets. , 2021, , .		0
5	Deep neural network-based hybrid modelling for development of the cyclist infrastructure safety model. Neural Computing and Applications, 2021, 33, 11603-11616.	5.6	1
6	Single€stage microinverter with current sensorless control for BIPV system. IET Renewable Power Generation, 2021, 15, 2468-2479.	3.1	6
7	Real-time multi-objective optimisation for electric vehicle charging management. Journal of Cleaner Production, 2021, 292, 126066.	9.3	30
8	Experimental characterization of a novel configuration of thermoelectric refrigerator with integrated finned heat pipes. International Journal of Refrigeration, 2021, 131, 157-167.	3.4	15
9	Distributed global fault detection scheme in multi€agent systems with chained€form dynamics. International Journal of Robust and Nonlinear Control, 2021, 31, 3859-3877.	3.7	8
10	Next-Generation Indoor Wireless Systems: Compatibility and Migration Case Study. IEEE Access, 2021, 9, 156915-156929.	4.2	7
11	A Distributed Observer-Based Cyber-Attack Identification Scheme in Cooperative Networked Systems under Switching Communication Topologies. Electronics (Switzerland), 2020, 9, 1912.	3.1	6
12	Development of a Safety System for Intelligent Cyclist modelling. , 2020, , .		0
13	Experimental Evaluation of Non-identical Pulse-Coupled Oscillators Synchronisation in IEEE 802.15.4 Wireless Sensor Networks. , 2019, , .		0
14	Investigating Wind Generation Investment Indices in Multi-Stage Planning. , 2018, , .		2
15	An Overview of Wave Energy Technologies in the Mauritian Context. , 2018, , .		0
16	Synchronization of Pulse-Coupled Oscillators for IEEE 802.15.4 Multi-Hop Wireless Sensor Networks. , 2018, , .		6
17	Time Synchronization of Pulse-Coupled Oscillators for Smart Grids. , 2018, , .		0
18	Simulation and evaluation of pulse-coupled oscillators in wireless sensor networks. Systems Science and Control Engineering, 2018, 6, 337-349.	3.1	8

#	Article	IF	Citations
19	Modelling the State of Charge of Lithium-ion batteries. , 2018, , .		2
20	Chaos Synchronization in Visible Light Communications with Variable Delays Induced by Multipath Fading. Applied System Innovation, 2018, 1, 45.	4.6	4
21	Modelling and Synchronization of Pulse-Coupled Non-identical Oscillators for Wireless Sensor Networks. , 2018, , .		7
22	Secure MIMO Visible Light Communication System Based on User's Location and Encryption. Journal of Lightwave Technology, 2017, 35, 5324-5334.	4.6	21
23	A decoupling control strategy for wind turbine blades equipped with active flow controllers. Wind Energy, 2017, 20, 569-584.	4.2	6
24	Chaos synchronization in vertical-cavity surface-emitting laser based on rotated polarization-preserved optical feedback. Chaos, 2016, 26, 013109.	2.5	10
25	Parameter independent vector control of brushless Doubly-fed reluctance generators. , 2016, , .		0
26	LPV modelling and LPV observer-based fault detection for wind turbine systems. , 2016, , .		0
27	Encrypted audio communication design using synchronized discrete-time hyperchaotic maps. , 2016, , .		1
28	A survey on smart traffic network control and optimization. , 2016, , .		5
29	Suppressing the Nonlinearity of Free Running VCSEL Using Selective-Optical Feedback. IEEE Photonics Technology Letters, 2016, 28, 185-188.	2.5	4
30	PI observer gain optimization for fault detection with disturbance attenuation. , 2015, , .		0
31	Robust Chaotic Communication Based on Indirect Coupling Synchronization. Circuits, Systems, and Signal Processing, 2015, 34, 393-418.	2.0	11
32	Utility of highâ€order sliding mode differentiators for dynamical left inversion problems. IET Control Theory and Applications, 2015, 9, 538-544.	2.1	1
33	Model-based on-line sensor fault detection in Wireless Sensor Actuator Networks. , 2015, , .		8
34	On the use of the unified chaotic system in the field of secure communication. , 2015, , .		2
35	Using discrete-time hyperchaotic-based asymmetric encryption and decryption keys for secure signal transmission. , 2014, , .		3
36	High gain observer with algorithm transformation to extended Jordan observable form for chaos synchronization applications. , 2014, , .		4

#	Article	IF	Citations
37	A simple method to determine the optimal location of active flow controllers on wind turbine blades. , 2014, , .		2
38	A lumped parameter control model for twin-screw extruders. , 2013, , .		1
39	Validation of Artificial Neural Network Model for Share Price UK Banking Sector Short-Term Trading. , 2013, , .		4
40	Investigation of the Equivalent Circuit Parameters and Design of a Dual Polarised Dual Frequency Aperture Coupled Microstrip Antenna. IEEE Transactions on Antennas and Propagation, 2013, 61, 2304-2308.	5.1	10
41	Chaos synchronization on Visible Light Communication with application for secure data communications. , 2013, , .		6
42	Observer-based secure communication using indirect coupled synchronization. , 2012, , .		1
43	Online estimation of the power coefficient in wind energy conversion systems. , 2012, , .		0
44	On the transformation of nonlinear dynamical systems into the extended nonlinear observable canonical form. International Journal of Control, 2011, 84, 94-106.	1.9	44
45	On feedback stabilization of a class of stochastic nonlinear systems with delays. , 2011, , .		0
46	Implementation of a secure digital chaotic communication scheme on a DSP board. , 2010, , .		4
47	High Gain Observer for Structured Multi-Output Nonlinear Systems. IEEE Transactions on Automatic Control, 2010, 55, 987-992.	5.7	62
48	On feedback stabilization of nonlinear discrete-time state-delayed systems. , 2009, , .		2
49	Power Coefficient Estimation in a Wind Energy Conversion System. , 2006, , .		6