

Mohamed A Bahloul

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

158
citations

1683934

5
h-index

1474057

9
g-index

24
all docs

24
docs citations

24
times ranked

93
citing authors

#	ARTICLE	IF	CITATIONS
1	Physics-based modeling and data-driven algorithm for prediction and diagnosis of atherosclerosis. Biophysical Journal, 2022, 121, 419a-420a.	0.2	3
2	Human Hypertension Blood Flow Model Using Fractional Calculus. Frontiers in Physiology, 2022, 13, 838593.	1.3	6
3	Parameter Sensitivity and Experimental Validation for Fractional-Order Dynamical Modeling of Neurovascular Coupling. IEEE Open Journal of Engineering in Medicine and Biology, 2022, 3, 69-77.	1.7	1
4	Variability analysis of resistive ternary content addressable memories. International Journal of Circuit Theory and Applications, 2021, 49, 453-475.	1.3	4
5	Design of 3-5 GHz tunable memristor-based OOK-UWB transmitter. AEU - International Journal of Electronics and Communications, 2021, 132, 153664.	1.7	6
6	Fractional-order model representations of apparent vascular compliance as an alternative in the analysis of arterial stiffness: an in-silico study. Physiological Measurement, 2021, 42, 045008.	1.2	12
7	A Multilayer Perceptron-based Carotid-to-Femoral Pulse Wave Velocity Estimation using PPG Signal. , 2021, , .		4
8	Aortic blood pressure estimation: A hybrid machine-learning and cross-relation approach. Biomedical Signal Processing and Control, 2021, 68, 102762.	3.5	11
9	Finite-time simultaneous estimation of aortic blood flow and differentiation order for fractional-order arterial Windkessel model calibration. IFAC-PapersOnLine, 2021, 54, 538-543.	0.5	3
10	Towards Characterization of the Complex and Frequency-dependent Arterial Compliance based on Fractional-order Capacitor. , 2021, 2021, 5559-5565.		2
11	Combining Machine Learning and Blind Estimation for Central Aortic Blood Pressure Reconstruction. , 2021, 2021, 5512-5517.		1
12	Compact memristor-based ultra-wide band chirp pulse generator. International Journal of Circuit Theory and Applications, 2020, 48, 286-293.	1.3	4
13	Assessment of Fractional-Order Arterial Windkessel as a Model of Aortic Input Impedance. IEEE Open Journal of Engineering in Medicine and Biology, 2020, 1, 123-132.	1.7	15
14	Blind Estimation of Central Blood Pressure Using Least-Squares with Mean Matching and Box Constraints. , 2020, 2020, 2723-2727.		1
15	Fractional-Order SEIQRDP Model for Simulating the Dynamics of COVID-19 Epidemic. IEEE Open Journal of Engineering in Medicine and Biology, 2020, 1, 249-256.	1.7	32
16	Finite-time joint estimation of the arterial blood flow and the arterial Windkessel parameters using modulating functions. IFAC-PapersOnLine, 2020, 53, 16286-16292.	0.5	3
17	Two-Element Fractional-Order Windkessel Model to Assess the Arterial Input Impedance. , 2019, 2019, 5018-5023.		4
18	Arterial Viscoelastic Model using Lumped Parameter Circuit With Fractional-Order Capacitor. , 2018, , .		11

#	ARTICLE	IF	CITATIONS
19	Three-Element Fractional-Order Viscoelastic Arterial Windkessel Model. , 2018, 2018, 5261-5266.		15
20	Memristor Based Programmable Current Reference Generator. , 2018, , .		3
21	Hardware emulation of Memristor based Ternary Content Addressable Memory. , 2017, , .		7
22	Design and analysis of 2T-2M Ternary content addressable memories. , 2017, , .		10