

Yehya H Ghallab

List of Publications by Year in descending order

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27
papers

262
citations

1307594

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times ranked

305
citing authors

#	ARTICLE	IF	CITATIONS
1	Adipose Stem Cells Display Higher Regenerative Capacities and More Adaptable Electro-Kinetic Properties Compared to Bone Marrow-Derived Mesenchymal Stromal Cells. Scientific Reports, 2016, 6, 37801.	3.3	73
2	Low-voltage subthreshold CMOS current mode circuits: Design and applications. AEU - International Journal of Electronics and Communications, 2017, 82, 251-264.	2.9	36
3	CMOS Based Lab-on-a-Chip: Applications, Challenges and Future Trends. IEEE Circuits and Systems Magazine, 2014, 14, 27-47.	2.3	34
4	A 0.4-V Miniature CMOS Current Mode Instrumentation Amplifier. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 261-265.	3.0	25
5	THE OPERATIONAL FLOATING CURRENT CONVEYOR AND ITS APPLICATIONS. Journal of Circuits, Systems and Computers, 2006, 15, 351-372.	1.5	23
6	Lab on a Chip Based on CMOS Technology: System Architectures, Microfluidic Packaging, and Challenges. IEEE Design and Test, 2015, 32, 20-31.	1.2	16
7	Integration of tri-polar microelectrodes for performance enhancement of an impedance biosensor. Sensing and Bio-Sensing Research, 2020, 28, 100329.	4.2	10
8	Impedance Analysis of Different Shapes of the Normal and Malignant White Blood Cells. , 2018, , .		9
9	A New Design of a Current-mode Wheatstone Bridge Using Operational Floating Current Conveyor. , 2006, , .		8
10	An electro-kinetic platform based on printed circuit Board technology for identification and characterization of biological cells. Microelectronic Engineering, 2019, 209, 20-27.	2.4	6
11	A CMOS operational floating current conveyor circuit. , 2009, , .		5
12	A new 90NM CMOS current feedback operational amplifier. , 2009, , .		4
13	Detection of Hepatocellular carcinoma in clinical specimens using Dielectrophoresis based ElectroKinetic Platform. Sensors and Actuators A: Physical, 2020, 316, 112402.	4.1	4
14	A new current mode implementation of a balanced-output-signal generator. Analog Integrated Circuits and Signal Processing, 2014, 81, 751-762.	1.4	3
15	On the design of digital control for lab-on-chip systems. , 2009, , .		2
16	Impedance Spectroscopy based on The Cell Trajectory and New Strategy to Enhance The Accuracy of The Detection in The Microfluidic System. , 2021, , .		2
17	An electric field array microsystem for Lab-on-chip and biomedical analysis. , 2009, , .		1
18	A novel method to design an electro-kinetic platform based on complementary metal-oxide semiconductor technology using SKILL scripting of cadence. Biocybernetics and Biomedical Engineering, 2019, 39, 256-262.	5.9	1

#	ARTICLE	IF	CITATIONS
19	An electrical field sensor for micro/nano particles detection applications. , 2009, , .		0
20	A balanced signal generator for lab on chip dielectrophoresis (DEP) levitation techniques. , 2016, , .		0
21	A Lab-On-a-Chip front-end based on DeFET sensor array for biomedical analysis. , 2016, , .		0
22	An improved planar electrode for dielectric parameters extraction. , 2017, , .		0
23	Fully Integrated Mixed Mode Interface Circuit in 65 nm CMOS for Leukemia Detection and Classification. , 2018, , .		0
24	Cell Trapping by Dielectrophoresis to Enhance the Identification and Detection of Biological Cell. , 2020, , .		0
25	An Influence of The Electrode Geometry on The Distribution of Dielectrophoretic Force effect on The Impedance Extraction in Microfluidic Systems. , 2021, , .		0
26	An Influence of the Microfluidic Channel Height and Distribution of Dielectrophoretic Force on the Impedance Extraction in Microfluidic Systems. , 2021, , .		0
27	Identification of a New Topology to Enhance the Impedance Extraction in Microfluidic Systems. , 2021, , .		0