

Konstantinos I Papadimitriou

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

199
citations

1163117

8
h-index

1058476

14
g-index

23
all docs

23
docs citations

23
times ranked

278
citing authors

#	ARTICLE	IF	CITATIONS
1	Time domain optical imaging device based on a commercial time-to-digital converter. Review of Scientific Instruments, 2021, 92, 103704.	1.3	2
2	Dual wavelength spread-spectrum time-resolved diffuse optical instrument for the measurement of human brain functional responses. Biomedical Optics Express, 2020, 11, 3477.	2.9	1
3	Modular Pressure and Flow Rate-Balanced Microfluidic Serial Dilution Networks for Miniaturised Point-of-Care Diagnostic Platforms. Sensors, 2019, 19, 911.	3.8	4
4	A dual-wavelength spread spectrum-based spectroscopic system For time-domain near-infrared diffuse optical imaging. , 2019, , .		0
5	A Novel Microfluidic Point-of-Care Biosensor System on Printed Circuit Board for Cytokine Detection. Sensors, 2018, 18, 4011.	3.8	35
6	A spread spectrum approach to time-domain near-infrared diffuse optical imaging using inexpensive optical transceiver modules. Biomedical Optics Express, 2018, 9, 2648.	2.9	11
7	Performance ANd ACcuracy in Electrical BioActivity Recordings (PANACEA): A high-performance, wireless, multi-instrument for potentiometric and amperometric recording of biosignals. Measurement: Journal of the International Measurement Confederation, 2018, 129, 128-141.	5.0	6
8	Disturbed Cyclical Stretch of Endothelial Cells Promotes Nuclear Expression of the Pro-Atherogenic Transcription Factor NF- κ B. Annals of Biomedical Engineering, 2017, 45, 898-909.	2.5	14
9	An Assay System for Point-of-Care Diagnosis of Tuberculosis using Commercially Manufactured PCB Technology. Scientific Reports, 2017, 7, 685.	3.3	25
10	High-performance PCB-based capillary pumps for affordable point-of-care diagnostics. Microfluidics and Nanofluidics, 2017, 21, 103.	2.2	18
11	Towards a smartphone-aided electronic ELISA for real-time electrochemical monitoring. , 2017, , .		2
12	A Sub-30 mV Resolution Thin Film Transistor-Based Nanoribbon Biosensing Platform. Sensors, 2017, 17, 2000.	3.8	2
13	A dual switched-capacitor integrator architecture for versatile, real-time amperometric biosensing. , 2017, , .		1
14	High-Performance Bioinstrumentation for Real-Time Neuroelectrochemical Traumatic Brain Injury Monitoring. Frontiers in Human Neuroscience, 2016, 10, 212.	2.0	28
15	The Lab-on-PCB framework for affordable, electronic-based point-of-care diagnostics: From design to manufacturing. , 2016, , .		8
16	A PCB-based electronic ELISA system for rapid, portable infectious disease diagnosis. , 2016, , .		6
17	Analytical study, performance optimisation and design rules for customary static and dynamic subthreshold MOS translinear topologies. Microelectronics Journal, 2016, 53, 177-193.	2.0	3
18	Towards a high-precision, embedded system for versatile sensitive biosensing measurements. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
19	A 1.26 μm Cytomimetic IC Emulating Complex Nonlinear Mammalian Cell Cycle Dynamics: Synthesis, Simulation and Proof-of-Concept Measured Results. IEEE Transactions on Biomedical Circuits and Systems, 2015, 9, 543-554.	4.0	6
20	CMOS weak μm inversion log μm domain glycolytic oscillator: a cytomimetic circuit example. International Journal of Circuit Theory and Applications, 2014, 42, 173-194.	2.0	7
21	Neuromorphic log-domain silicon synapse circuits obey bernoulli dynamics: a unifying tutorial analysis. Frontiers in Neuroscience, 2014, 8, 428.	2.8	9
22	Systematic Computation of Nonlinear Cellular and Molecular Dynamics with Low-Power CytoMimetic Circuits: A Simulation Study. PLoS ONE, 2013, 8, e53591.	2.5	9