

# Konstantinos I Papadimitriou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2871656/publications.pdf>

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	A Novel Microfluidic Point-of-Care Biosensor System on Printed Circuit Board for Cytokine Detection. <i>Sensors</i> , 2018, 18, 4011.	3.8	35
2	High-Performance Bioinstrumentation for Real-Time Neuroelectrochemical Traumatic Brain Injury Monitoring. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 212.	2.0	28
3	An Assay System for Point-of-Care Diagnosis of Tuberculosis using Commercially Manufactured PCB Technology. <i>Scientific Reports</i> , 2017, 7, 685.	3.3	25
4	High-performance PCB-based capillary pumps for affordable point-of-care diagnostics. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 103.	2.2	18
5	Disturbed Cyclical Stretch of Endothelial Cells Promotes Nuclear Expression of the Pro-Atherogenic Transcription Factor NF- $\kappa$ B. <i>Annals of Biomedical Engineering</i> , 2017, 45, 898-909.	2.5	14
6	A spread spectrum approach to time-domain near-infrared diffuse optical imaging using inexpensive optical transceiver modules. <i>Biomedical Optics Express</i> , 2018, 9, 2648.	2.9	11
7	Systematic Computation of Nonlinear Cellular and Molecular Dynamics with Low-Power CytoMimetic Circuits: A Simulation Study. <i>PLoS ONE</i> , 2013, 8, e53591.	2.5	9
8	Neuromorphic log-domain silicon synapse circuits obey bernoulli dynamics: a unifying tutorial analysis. <i>Frontiers in Neuroscience</i> , 2014, 8, 428.	2.8	9
9	The Lab-on-PCB framework for affordable, electronic-based point-of-care diagnostics: From design to manufacturing. , 2016, , .		8
10	CMOS weakâ€inversion logâ€domain glycolytic oscillator: a cytomimetic circuit example. <i>International Journal of Circuit Theory and Applications</i> , 2014, 42, 173-194.	2.0	7
11	A 1.26 $\mu$ m $W$ Cytomimetic IC Emulating Complex Nonlinear Mammalian Cell Cycle Dynamics: Synthesis, Simulation and Proof-of-Concept Measured Results. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2015, 9, 543-554.	4.0	6
12	A PCB-based electronic ELISA system for rapid, portable infectious disease diagnosis. , 2016, , .		6
13	Performance ANd ACcuracy in Electrical BioActivity Recordings (PANACEA): A high-performance, wireless, multi-instrument for potentiometric and amperometric recording of biosignals. Measurement: <i>Journal of the International Measurement Confederation</i> , 2018, 129, 128-141.	5.0	6
14	Modular Pressure and Flow Rate-Balanced Microfluidic Serial Dilution Networks for Miniaturised Point-of-Care Diagnostic Platforms. <i>Sensors</i> , 2019, 19, 911.	3.8	4
15	Analytical study, performance optimisation and design rules for customary static and dynamic subthreshold MOS translinear topologies. <i>Microelectronics Journal</i> , 2016, 53, 177-193.	2.0	3
16	Towards a high-precision, embedded system for versatile sensitive biosensing measurements. , 2015, , .		2
17	Towards a smartphone-aided electronic ELISA for real-time electrochemical monitoring. , 2017, , .		2
18	A Sub-30 mV Resolution Thin Film Transistor-Based Nanoribbon Biosensing Platform. <i>Sensors</i> , 2017, 17, 2000.	3.8	2

#	ARTICLE	IF	CITATIONS
19	Time domain optical imaging device based on a commercial time-to-digital converter. Review of Scientific Instruments, 2021, 92, 103704.	1.3	2
20	A dual switched-capacitor integrator architecture for versatile, real-time amperometric biosensing. , 2017, , .		1
21	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
22	A dual-wavelength spread spectrum-based spectroscopic system For time-domain near-infrared diffuse optical imaging. , 2019, , .		0