

Panagiotis Kassanos

List of Publications by Year in descending order

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38
papers

502
citations

933447

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h-index

1058476

14
g-index

38
all docs

38
docs citations

38
times ranked

543
citing authors

#	ARTICLE	IF	CITATIONS
1	A CMOS Magnitude/Phase Measurement Chip for Impedance Spectroscopy. IEEE Sensors Journal, 2013, 13, 2229-2236.	4.7	63
2	An Integrated Analog Readout for Multi-Frequency Bioimpedance Measurements. IEEE Sensors Journal, 2014, 14, 2792-2800.	4.7	59
3	Metal-oxide surface-enhanced Raman biosensor template towards point-of-care EGFR detection and cancer diagnostics. Nanoscale Horizons, 2020, 5, 294-307.	8.0	49
4	Multi-parametric rigid and flexible, low-cost, disposable sensing platforms for biomedical applications. Biosensors and Bioelectronics, 2018, 102, 668-675.	10.1	40
5	Self-assembled N-doped Q-dot carbon nanostructures as a SERS-active biosensor with selective therapeutic functionality. Sensors and Actuators B: Chemical, 2020, 323, 128703.	7.8	30
6	Bioimpedance Sensors: A Tutorial. IEEE Sensors Journal, 2021, 21, 22190-22219.	4.7	24
7	Scalable Route to Electroactive and Light Active Perylene Diimide Dye Polymer Binder for Lithium-Ion Batteries. ACS Applied Energy Materials, 2020, 3, 2271-2277.	5.1	21
8	Lab-on-a-Chip Contact Lens Platforms Fabricated by Multi-Axis Femtosecond Laser Ablation. Small, 2021, 17, e2102008.	10.0	21
9	A tetrapolar bio-impedance sensing system for gastrointestinal tract monitoring. , 2015, , .		17
10	Induced neural stem cell differentiation on a drawn fiber scaffold toward peripheral nerve regeneration. Biomedical Materials (Bristol), 2020, 15, 055011.	3.3	15
11	Towards the development of an electrochemical biosensor for hCG ² detection. Physiological Measurement, 2008, 29, S241-S254.	2.1	12
12	A Low-Cost Amperometric Glucose Sensor Based on PCB Technology. , 2018, , .		11
13	Towards a Flexible/Stretchable Multiparametric Sensing Device for Surgical and Wearable Applications. , 2019, , .		11
14	A CMOS multi-sine signal generator for multi-frequency bioimpedance measurements. , 2014, , .		9
15	Towards an optimized design for tetrapolar affinity-based impedimetric immunosensors for lab-on-a-chip applications. , 2008, , .		8
16	Smart Sensing for Surgery: From Tethered Devices to Wearables and Implantables. IEEE Systems, Man, and Cybernetics Magazine, 2020, 6, 39-48.	1.4	8
17	A Comparison of Front-End Amplifiers for Tetrapolar Bioimpedance Measurements. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	4.7	8
18	From wearables to implantables clinical drive and technical challenges. , 2021, , 29-84.		8

#	ARTICLE	IF	CITATIONS
19	Comparison of tetrapolar injection-measurement techniques for coplanar affinity-based impedimetric immunosensors. , 2008, , .		7
20	A CMOS programmable phase shifter for compensating synchronous detection bioimpedance systems. , 2017, , .		7
21	Electrical and Physical Sensors for Biomedical Implants. , 2018, , 99-195.		7
22	Feasibility Experiments to Detect Skin Hydration Using a Bio-Impedance Sensor. , 2019, 2019, 6032-6035.		7
23	Analog-digital computing let robots go through the motions. Science Robotics, 2020, 5, .	17.6	7
24	A novel front-end for impedance spectroscopy. , 2011, , .		6
25	Optimization of bipolar and tetrapolar impedance biosensors. , 2010, , .		5
26	Sensor Embodiment and Flexible Electronics. , 2018, , 197-279.		5
27	Electrochemical Sensor Designs for Biomedical Implants. , 2018, , 19-98.		5
28	Characterization and Modeling of a Flexible Tetrapolar Bioimpedance Sensor and Measurements of Intestinal Tissues. , 2019, , .		5
29	Towards a Flexible Wrist-Worn Thermotherapy and Thermoregulation Device. , 2019, , .		4
30	Development and Characterization of a PCB-Based Microfluidic Y-Channel. , 2020, 2020, 5037-5040.		4
31	Stretchable Nanostructures as Optomechanical Strain Sensors for Ophthalmic Applications. ACS Applied Polymer Materials, 2021, 3, 5416-5424.	4.4	4
32	Towards Low-Cost Cell Culturing Platforms with Integrated Sensing Capabilities. , 2018, , .		3
33	Electrical and Mechanical Characterization of Carbon-Based Elastomeric Composites for Printed Sensors and Electronics. , 2021, , .		3
34	An Interdigital Strain Sensor Through Laser Carbonization of PI and PDMS Transfer. , 2021, , .		3
35	Ultra-Low Power Application-Specific Integrated Circuits for Sensing. , 2018, , 281-437.		2
36	Power and data communication in wearable and implantable devices. , 2021, , 279-309.		2

#	ARTICLE	IF	CITATIONS
37	Development of a Biosensor for hCG ² Detection. , 2007, , 620-623.		2
38	Impedometric Analysis and Characterization in the Development of an hCG ² Biosensor. , 2007, , .		0