

# 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 Comparison of Front-End Amplifiers for Tetrapolar Bioimpedance Measurements. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	4.7	8
2	From wearables to implantablesâ€”clinical drive and technical challenges. , 2021, , 29-84.		8
3	Electrical and Mechanical Characterization of Carbon-Based Elastomeric Composites for Printed Sensors and Electronics. , 2021, , .		3
4	An Interdigital Strain Sensor Through Laser Carbonization of PI and PDMS Transfer. , 2021, , .		3
5	Labâ€”onâ€”aâ€”Contact Lens Platforms Fabricated by Multiâ€”Axis Femtosecond Laser Ablation. Small, 2021, 17, e2102008.	10.0	21
6	Bioimpedance Sensors: A Tutorial. IEEE Sensors Journal, 2021, 21, 22190-22219.	4.7	24
7	Power and data communication in wearable and implantable devices. , 2021, , 279-309.		2
8	Stretchable Nanostructures as Optomechanical Strain Sensors for Ophthalmic Applications. ACS Applied Polymer Materials, 2021, 3, 5416-5424.	4.4	4
9	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
10	Development and Characterization of a PCB-Based Microfluidic Y-Channel. , 2020, 2020, 5037-5040.		4
11	Smart Sensing for Surgery: From Tethered Devices to Wearables and Implantables. IEEE Systems, Man, and Cybernetics Magazine, 2020, 6, 39-48.	1.4	8
12	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
13	Analog-digital computing let robots go through the motions. Science Robotics, 2020, 5, .	17.6	7
14	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
15	Induced neural stem cell differentiation on a drawn fiber scaffoldâ€”toward peripheral nerve regeneration. Biomedical Materials (Bristol), 2020, 15, 055011.	3.3	15
16	Feasibility Experiments to Detect Skin Hydration Using a Bio-Impedance Sensor. , 2019, 2019, 6032-6035.		7
17	Towards a Flexible Wrist-Worn Thermotherapy and Thermoregulation Device. , 2019, , .		4
18	Characterization and Modeling of a Flexible Tetrapolar Bioimpedance Sensor and Measurements of Intestinal Tissues. , 2019, , .		5

#	ARTICLE	IF	CITATIONS
19	Towards a Flexible/Stretchable Multiparametric Sensing Device for Surgical and Wearable Applications. , 2019, , .		11
20	Sensor Embodiment and Flexible Electronics. , 2018, , 197-279.		5
21	Electrical and Physical Sensors for Biomedical Implants. , 2018, , 99-195.		7
22	Electrochemical Sensor Designs for Biomedical Implants. , 2018, , 19-98.		5
23	Ultra-Low Power Application-Specific Integrated Circuits for Sensing. , 2018, , 281-437.		2
24	Multi-parametric rigid and flexible, low-cost, disposable sensing platforms for biomedical applications. Biosensors and Bioelectronics, 2018, 102, 668-675.	10.1	40
25	Towards Low-Cost Cell Culturing Platforms with Integrated Sensing Capabilities. , 2018, , .		3
26	A Low-Cost Amperometric Glucose Sensor Based on PCB Technology. , 2018, , .		11
27	A CMOS programmable phase shifter for compensating synchronous detection bioimpedance systems. , 2017, , .		7
28	A tetrapolar bio-impedance sensing system for gastrointestinal tract monitoring. , 2015, , .		17
29	An Integrated Analog Readout for Multi-Frequency Bioimpedance Measurements. IEEE Sensors Journal, 2014, 14, 2792-2800.	4.7	59
30	A CMOS multi-sine signal generator for multi-frequency bioimpedance measurements. , 2014, , .		9
31	A CMOS Magnitude/Phase Measurement Chip for Impedance Spectroscopy. IEEE Sensors Journal, 2013, 13, 2229-2236.	4.7	63
32	A novel front-end for impedance spectroscopy. , 2011, , .		6
33	Optimization of bipolar and tetrapolar impedance biosensors. , 2010, , .		5
34	Towards an optimized design for tetrapolar affinity-based impedimetric immunosensors for lab-on-a-chip applications. , 2008, , .		8
35	Towards the development of an electrochemical biosensor for hCG <sup>2</sup> detection. Physiological Measurement, 2008, 29, S241-S254.	2.1	12
36	Comparison of tetrapolar injection-measurement techniques for coplanar affinity-based impedimetric immunosensors. , 2008, , .		7

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