

Bradley J Bazuin

List of Publications by Year in descending order

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40
papers

984
citations

687363

13
h-index

839539

18
g-index

40
all docs

40
docs citations

40
times ranked

821
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Sensitive Porous PDMS-Based Capacitive Pressure Sensors Fabricated on Fabric Platform for Wearable Applications. ACS Sensors, 2021, 6, 938-949.	7.8	125
2	A carbon nanotube based NTC thermistor using additive print manufacturing processes. Sensors and Actuators A: Physical, 2018, 279, 1-9.	4.1	108
3	Screen Printing of Multilayered Hybrid Printed Circuit Boards on Different Substrates. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2015, 5, 415-421.	2.5	93
4	Titanium Carbide MXene as NH_3 Sensor: Realistic First-Principles Study. Journal of Physical Chemistry C, 2019, 123, 29794-29803.	3.1	78
5	Gravure Printing of Conductive Inks on Glass Substrates for Applications in Printed Electronics. Journal of Display Technology, 2011, 7, 318-324.	1.2	67
6	A highly sensitive printed humidity sensor based on a functionalized MWCNT/HEC composite for flexible electronics application. Nanoscale Advances, 2019, 1, 2311-2322.	4.6	67
7	Flexible Capacitive Pressure Sensor Based on PDMS Substrate and GaIn Liquid Metal. IEEE Sensors Journal, 2019, 19, 97-104.	4.7	60
8	Screen-Printed Strain Gauge for Micro-Strain Detection Applications. IEEE Sensors Journal, 2020, 20, 12652-12660.	4.7	35
9	A Polyimide Based Force Sensor Fabricated Using Additive Screen-Printing Process for Flexible Electronics. IEEE Access, 2020, 8, 207813-207821.	4.2	34
10	Fully printed and flexible piezoelectric based touch sensitive skin. , 2015, , .		31
11	A novel flexographic printed strain gauge on paper platform. , 2015, , .		28
12	Flexible M-Tooth Hybrid Micro-Structure-Based Capacitive Pressure Sensor With High Sensitivity and Wide Sensing Range. IEEE Sensors Journal, 2021, 21, 26261-26268.	4.7	25
13	Development of flexible dry ECG electrodes based on MWCNT/PDMS composite. , 2015, , .		24
14	Development of a Flexible Wireless ECG Monitoring Device With Dry Fabric Electrodes for Wearable Applications. IEEE Sensors Journal, 2022, 22, 11223-11232.	4.7	22
15	GENERATION OF A FOUR-WING CHAOTIC ATTRACTOR BY TWO WEAKLY-COUPLED LORENZ SYSTEMS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2008, 18, 2089-2094.	1.7	19
16	Fault detection in photovoltaic system using SLIC and thermal images. , 2017, , .		19
17	Impact of Different Ratios of Fluorine, Oxygen, and Hydroxyl Surface Terminations on $\text{Ti}_3\text{C}_2\text{T}_x$; MXene as Ammonia Sensor: A First-Principles Study. , 2018, , .		18
18	A piezoelectric based vibration energy harvester fabricated using screen printing technique. , 2016, , .		15

#	ARTICLE	IF	CITATIONS
19	Eutectic Ga-In liquid metal based flexible capacitive pressure sensor. , 2016, , .		14
20	Burst Transceiver Unit for Wireless Passive SAW Sensing System. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 3746-3753.	4.7	13
21	Development of a printed impedance based electrochemical sensor on paper substrate. , 2016, , .		13
22	Detection of heavy metals using fully printed three electrode electrochemical sensor. , 2014, , .		12
23	A Flexible Copper Based Electrochemical Sensor Using Laser-Assisted Patterning Process. , 2018, , .		11
24	FPGA based implementation of BPSK and QPSK modulators using address reverse accumulators. , 2016, , .		10
25	Novel screen printed and flexible low frequency magneto-electric energy harvester. , 2016, , .		8
26	Development of a Novel Wireless Multi-Channel Stethograph System for Monitoring Cardiovascular and Cardiopulmonary Diseases. IEEE Access, 2021, 9, 128951-128964.	4.2	7
27	Modelling and Simulation of Microplasma Discharge Device for Sterilization Applications. Proceedings (mdpi), 2018, 2, .	0.2	5
28	Detection of cocaine using gravure printed silver nanoparticle based SERS substrate. , 2016, , .		3
29	Toward digital transmitters with Amplitude Shift Keying and Quadrature Amplitude Modulators implementation examples. , 2017, , .		3
30	Digital Signal Processing and Analysis of Cardiopulmonary Audio Using a Multi-Channel Stethograph System. , 2018, , .		3
31	A new method for ensemble combination based on adaptive decision making. Knowledge-Based Systems, 2021, 233, 107544.	7.1	3
32	Convex Optimization Via Jensen-Bregman Divergence for WLAN Indoor Positioning System. International Journal of Handheld Computing Research, 2017, 8, 29-41.	0.4	3
33	Rapid prototyping of a flexible microfluidic sensing system using inkjet and screen printing processes. , 2015, , .		2
34	Opto-electrochemical based dual detection of heavy metal compounds using a novel flow cell. , 2013, , .		1
35	GPU based implementation of a 64-channel polyphase channalizer. , 2015, , .		1
36	Design and implementation of prototype potable base station for catastrophic situation. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
37	A Gravure Printed Flexible Electrochemical Sensor for the Detection of Heavy Metal Compounds. Proceedings (mdpi), 2018, 2, .	0.2	1
38	Designing and Development of a Handheld Portable Electrochemical Analyzer for Flexible Hybrid Electronics. , 2021, , .		1
39	Flexible and Portable Electrochemical System for the Detection of Analytes. , 2021, , .		1
40	Multicore Real Time Feature Detection System Using Thermal Video for Nondestructive Testing. , 2016, , .		0