

# Joseph Walsh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5629023/publications.pdf>

Version: 2024-02-01

32  
papers

522  
citations

1684188

5  
h-index

1474206

9  
g-index

33  
all docs

33  
docs citations

33  
times ranked

559  
citing authors

#	ARTICLE	IF	CITATIONS
1	REEdI Design Thinking for Developing Engineering Curricula. Education Sciences, 2022, 12, 206.	2.6	3
2	Deep Learning vs. Traditional Computer Vision. Advances in Intelligent Systems and Computing, 2020, , 128-144.	0.6	337
3	At the Edge of Industry 4.0. Procedia Computer Science, 2019, 155, 276-281.	2.0	10
4	Edge Computing Applied to Industrial Machines. Procedia Manufacturing, 2019, 38, 178-185.	1.9	7
5	Automation of a paper-based waste tracking system. , 2018, , .		3
6	Machine learning algorithms for estimating powder blend composition using near infrared spectroscopy. , 2018, , .		4
7	Improving controller performance in a powder blending process using predictive control. , 2017, , .		5
8	Development of a low-cost, hand-held, remote vacuum profile monitoring system. , 2017, , .		0
9	Non-Invasive Sensor Technology for the Development of a Dairy Cattle Health Monitoring System. Computers, 2016, 5, 23.	3.3	28
10	Machine learning algorithms for process analytical technology. , 2016, , .		4
11	Analysis of carbon displacement possibilities from conversion of existing fossil fuel driven domestic heating systems to biomass driven domestic heating system. , 2016, , .		0
12	Acoustic and optical sensing configurations for bulk solids mass flow measurements. , 2016, , .		5
13	Inertia sensing for bulk solid measurement in process analytical technology systems. , 2016, , .		0
14	Smart sensors for process analytical technology. , 2016, , .		3
15	Pharmaceutical manufacturing and the quality by design (QBD), process analytical technology (PAT) approach. , 2016, , .		5
16	Internet of Things: A review from "Farm to Fork"™. , 2016, , .		66
17	Adaptive process control and sensor fusion for process analytical technology. , 2016, , .		10
18	Reliability prediction and analysis of LED luminaires. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
19	Evaluation of requirements for the development of a bench test system to test PTC heater in-situ automotive HVAC case units. , 2016, , .		2
20	A Cost-Effective And Accurate Electrical Impedance Measurement Circuit Design For Sensors. International Journal on Smart Sensing and Intelligent Systems, 2016, 9, 509-525.	0.7	4
21	A Review of Machine Learning Algorithms for estimating Critical Quality Attributes from Multi-Sensor Data. International Journal of Sustainable Energy Development, 2016, 5, .	0.4	1
22	Automated bias-removal resistance measurement circuit for precision on-site temperature calibration exploitation of state changes of materials. , 2015, , .		0
23	Low-cost use of metal freezing-points in the 30&#x2013;250 &#x00B0;C range for calibration: On-site application of standards-defining methodology. , 2015, , .		0
24	Fuzzy Logic Based Intelligent Energy Monitoring and Control for Renewable Energy. , 2014, , .		1
25	Development of short-range near infrared scatter sensor for the determination of fat content in homogenised milk. , 2014, , .		2
26	Modelling of the Human Perception of Sound using ANNs. , 2014, , .		0
27	Sensor Technology For Animal Health Monitoring. International Journal on Smart Sensing and Intelligent Systems, 2014, 7, 1-6.	0.7	17
28	Modelling of Temperature Coefficient of Resistance of a Thin Film RTD Towards Exhaust Gas Measurement Applications. International Journal on Smart Sensing and Intelligent Systems, 2014, 7, 1-4.	0.7	0
29	An A.N.N. model of the perception of sound by the human auditory system. , 2013, , .		0
30	Investigation of bone resonance during femoral reaming in hip replacement surgery. , 2013, , .		0
31	Environmentally Superior Implementation of Electronic Hardware Through Modular Programmable Logic Devices & Eco Design. , 2006, , .		1
32	Microelectronic Circuit Test Engineering Laboratories with Programmable Logic. International Journal of Electrical Engineering and Education, 2004, 41, 313-327.	0.8	2