

# Jeff Cullen

## List of Publications by Year in descending order

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44  
papers

276  
citations

1040056

9  
h-index

996975

15  
g-index

44  
all docs

44  
docs citations

44  
times ranked

311  
citing authors

#	ARTICLE	IF	CITATIONS
1	Online genetic-ANFIS temperature control for advanced microwave biodiesel reactor. Journal of Process Control, 2012, 22, 1256-1272.	3.3	45
2	Online vehicle and atmospheric pollution monitoring using GIS and wireless sensor networks. Journal of Physics: Conference Series, 2007, 76, 012019.	0.4	29
3	Non invasive rail track detection system using microwave sensor. Journal of Physics: Conference Series, 2009, 178, 012033.	0.4	18
4	Real-Time Microwave, Dielectric, and Optical Sensing of Lincomycin and Tylosin Antibiotics in Water: Sensor Fusion for Environmental Safety. Journal of Sensors, 2018, 2018, 1-11.	1.1	17
5	Heat transition in the European building sector: Overview of the heat decarbonisation practices through heat pump technology. Sustainable Energy Technologies and Assessments, 2021, 48, 101630.	2.7	16
6	An investigation into the effect of decorative covers on the heat output from LPHW radiators. Energy and Buildings, 2016, 133, 414-422.	6.7	14
7	Detection of Zn in water using novel functionalised planar microwave sensors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2019, 247, 114382.	3.5	12
8	Microwave Sensors for In Situ Monitoring of Trace Metals in Polluted Water. Sensors, 2021, 21, 3147.	3.8	10
9	Online monitoring of milk quality using electromagnetic wave sensors. , 2015, , .		9
10	Functionalised microwave sensors for real-time monitoring of copper and zinc concentration in mining-impacted water. International Journal of Environmental Science and Technology, 2020, 17, 1861-1876.	3.5	9
11	Assessing Water-Holding Capacity (WHC) of Meat Using Microwave Spectroscopy. Smart Sensors, Measurement and Instrumentation, 2014, , 117-140.	0.6	9
12	Water pipe leak detection using electromagnetic wave sensor for the water industry. , 2011, , .		8
13	An optical fiber sensor based on cladding photoluminescence for high power microwave plasma ultraviolet lamps used in water treatment. Optical Review, 2001, 8, 459-462.	2.0	7
14	Microwaves and Functional Materials: A Novel Method to Continuously Detect Metal Ions in Water. Smart Sensors, Measurement and Instrumentation, 2019, , 179-201.	0.6	7
15	Non-invasive Monitoring of Glycogen in Real-Time Using an Electromagnetic Sensor. Smart Sensors, Measurement and Instrumentation, 2019, , 1-15.	0.6	7
16	Energy reduction for the spot welding process in the automotive industry. Journal of Physics: Conference Series, 2007, 76, 012022.	0.4	6
17	Continuous Detection of Copper and Bromide in Polluted Water using f-EM Sensors. , 2018, , .		5
18	Stair Fall Risk Detection Using Wearable Sensors. , 2018, , .		5

#	ARTICLE	IF	CITATIONS
19	Experimental and computer simulation results of the spot welding process using SORPAS software. Journal of Physics: Conference Series, 2009, 178, 012045.	0.4	4
20	The feasibility of electromagnetic waves in determining the moisture content of concrete blocks. , 2015, , .		4
21	Screen-Printed f-EM Sensors Based on Two Chelating-Polymers and a Metal Oxide for the Continuous Detection of Cu Ions in Surface Water. Proceedings (mdpi), 2018, 2, 828.	0.2	4
22	Spot Welding Theoretical and Practical Investigations of the Expulsion Occurrence in Joining Metal for the Automotive Industry. , 2009, , .		3
23	An online real time ultrasonic NDT system for the quality control of spot welding in the automotive industry. Journal of Physics: Conference Series, 2009, 178, 012013.	0.4	3
24	Real Time Water Pipes Leak Detection Using EM Waves for the Water Industry. , 2009, , .		3
25	NDE system for the quality control of spot welding in the automotive industry. , 2010, , .		3
26	Real Time Monitoring and Detection of Alcohol Using Microwave Sensor Technology. , 2009, , .		2
27	Multi-sensor spot welding monitor using wireless sensor network technology. , 2011, , .		2
28	Theoretical and practical investigation into sustainable metal joining process for the automotive industry. Journal of Physics: Conference Series, 2011, 307, 012044.	0.4	2
29	Comparison between Adaptive and Fuzzy logic controllers for advance microwave biodiesel reactor. , 2011, , .		2
30	The feasibility of using electromagnetic waves in determining the moisture content of building fabrics and the cause of the water ingress.. International Journal on Smart Sensing and Intelligent Systems, 2014, 7, 1-5.	0.7	2
31	Online visual inspection of self-piercing riveting to determine the quality of the mechanical interlock. Journal of Physics: Conference Series, 2007, 76, 012012.	0.4	1
32	An online real time ultrasonic NDT system for the quality control of spot welding in the automotive industry. Journal of Physics: Conference Series, 2009, 178, 012032.	0.4	1
33	Comparison between PID and Fuzzy logic controllers for advance microwave biodiesel reactor. , 2011, , .		1
34	An investigation into the potential of microwave NDT for structural materials. , 2012, , .		1
35	Water-holding capacity assessment of meat using an electromagnetic sensing method. , 2013, , .		1
36	Online non-destructive monitoring of meat drying using microwave spectroscopy. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
37	Development of a sensor system for vegetable oil authentication. , 2015, , .		1
38	Real-Time Monitoring of Meat Drying Process Using Electromagnetic Wave Sensors. Smart Sensors, Measurement and Instrumentation, 2016, , 221-233.	0.6	1
39	Towards an Unmanned 3D Mapping System Using UWB Positioning. Lecture Notes in Computer Science, 2018, , 416-422.	1.3	1
40	Optical fibre sensors for the monitoring of a microwave plasma UV lamp and ozone generation system. Proceedings of SPIE, 2008, , .	0.8	0
41	Artificial Intelligent Control for a Novel Advanced Microwave Biodiesel Reactor. Journal of Physics: Conference Series, 2011, 307, 012042.	0.4	0
42	Development of a predictive water-holding capacity method in postmortem longissimus dorsi muscle. , 2013, , .		0
43	Investigation of audible carbon monoxide alarm ownership. Smart and Sustainable Built Environment, 2014, 3, 72-86.	4.0	0
44	Experimental investigation of Versa Tyle GRP for solar thermal system. International Journal of Green Energy, 2021, 18, 90-99.	3.8	0