

Gerard Cummins

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3968744/gerard-cummins-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

792
citations

13
h-index

28
g-index

43
ext. papers

998
ext. citations

4.7
avg, IF

4.38
L-index

#	Paper	IF	Citations
29	Ultrasound mediated delivery of quantum dots from a proof of concept capsule endoscope to the gastrointestinal wall. <i>Scientific Reports</i> , 2021 , 11, 2584	4.9	6
28	Wireless Power Transfer Techniques for Implantable Medical Devices: A Review. <i>Sensors</i> , 2020 , 20,	3.8	47
27	Ultrasound Capsule Endoscopy With a Mechanically Scanning Micro-ultrasound: A Porcine Study. <i>Ultrasound in Medicine and Biology</i> , 2020 , 46, 796-804	3.5	6
26	Miniaturized 3-D Cross-Type Receiver for Wirelessly Powered Capsule Endoscopy. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 1985-1993	4.1	18
25	Gastrointestinal diagnosis using non-white light imaging capsule endoscopy. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2019 , 16, 429-447	24.2	23
24	In-Vivo Evaluation of Microultrasound and Thermometric Capsule Endoscopes. <i>IEEE Transactions on Biomedical Engineering</i> , 2019 , 66, 632-639	5	13
23	Intelligent magnetic manipulation for gastrointestinal ultrasound. <i>Science Robotics</i> , 2019 , 4,	18.6	40
22	Sensors for Fetal Hypoxia and Metabolic Acidosis: A Review. <i>Sensors</i> , 2018 , 18,	3.8	9
21	In Vivo Characterization of a Wireless Telemetry Module for a Capsule Endoscopy System Utilizing a Conformal Antenna. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2018 , 12, 95-105	5.1	38
20	Challenges in developing collaborative interdisciplinary research between gastroenterologists and engineers. <i>Journal of Medical Engineering and Technology</i> , 2018 , 42, 435-442	1.8	4
19	Integrated Front End Circuitry for Microultrasound Capsule Endoscopy 2018 ,		1
18	Nanocomposite-Based Microstructured Piezoresistive Pressure Sensors for Low-Pressure Measurement Range. <i>Micromachines</i> , 2018 , 9,	3.3	15
17	Luminally expressed gastrointestinal biomarkers. <i>Expert Review of Gastroenterology and Hepatology</i> , 2017 , 11, 1119-1134	4.2	10
16	Ultrasound capsule endoscopy: sounding out the future. <i>Annals of Translational Medicine</i> , 2017 , 5, 201	3.2	15
15	Design of conformal wideband antennas for capsule endoscopy within a body tissue environment 2016 ,		5
14	Carbon screen-printed electrodes on ceramic substrates for label-free molecular detection of antibiotic resistance. <i>Journal of Interdisciplinary Nanomedicine</i> , 2016 , 1, 93-109	4	16
13	Progress towards a multi-modal capsule endoscopy device featuring microultrasound imaging 2016 ,		8

12	Optimised co-electrodeposition of FeCo alloys for maximum magnetostriction effect. <i>Sensors and Actuators A: Physical</i> , 2015 , 223, 91-96	3.9	9
11	Statistical analysis of stencil technology for wafer-level bumping. <i>Soldering and Surface Mount Technology</i> , 2014 , 26, 71-78	1.4	1
10	Progress towards filling through silicon vias with conductive ink 2012 ,		3
9	Inkjet printing of conductive materials: a review. <i>Circuit World</i> , 2012 , 38, 193-213	0.7	294
8	Experimental investigation of non-uniform heating effect on flow boiling instabilities in a microchannel-based heat sink. <i>International Journal of Thermal Sciences</i> , 2011 , 50, 309-324	4.1	45
7	Optimization and characterization of Drop-on-Demand inkjet printing process for platinum organometallic inks 2011 ,		10
6	P-164: Electrical Characterisation and Modeling of Top-Emitting PIN-OLED Devices. <i>Digest of Technical Papers SID International Symposium</i> , 2010 , 41, 1863	0.5	1
5	Experimental pool boiling investigations of FC-72 on silicon with artificial cavities and integrated temperature microsensors. <i>Experimental Thermal and Fluid Science</i> , 2010 , 34, 422-433	3	32
4	Two-phase flow instabilities in a silicon microchannels heat sink. <i>International Journal of Heat and Fluid Flow</i> , 2009 , 30, 854-867	2.4	100
3	Investigation of Flow Distribution in Microchannels Heat Sinks. <i>Heat Transfer Engineering</i> , 2009 , 30, 1049-1057	1.7	15
2	Experimental Investigation of Non-Uniform Heating on Flow Boiling Instabilities in a Microchannels Based Heat Sink 2009 ,		4
1	Fabrication of Silicon Microchannel With Integrated Heater and Temperature Sensors for Flow Boiling Studies 2008 ,		1