Gerard Cummins

List of Publications by Citations

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29	792	13	28
papers	citations	h-index	g-index
43	998	4.7	4.38
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
29	Inkjet printing of conductive materials: a review. *Circuit World*, **2012**, 38, 193-213	0.7	294
28	Two-phase flow instabilities in a silicon microchannels heat sink. *International Journal of Heat and Fluid Flow*, **2009**, 30, 854-867	2.4	100
27	Wireless Power Transfer Techniques for Implantable Medical Devices: A Review. *Sensors*, **2020**, 20,	3.8	47
26	Experimental investigation of non-uniform heating effect on flow boiling instabilities in a microchannel-based heat sink. *International Journal of Thermal Sciences*, **2011**, 50, 309-324	4.1	45
25	Intelligent magnetic manipulation for gastrointestinal ultrasound. *Science Robotics*, **2019**, 4,	18.6	40
24	In Vivo Characterization of a Wireless Telemetry Module for a Capsule Endoscopy System Utilizing a Conformal Antenna. *IEEE Transactions on Biomedical Circuits and Systems*, **2018**, 12, 95-105	5.1	38
23	Experimental pool boiling investigations of FC-72 on silicon with artificial cavities and integrated temperature microsensors. *Experimental Thermal and Fluid Science*, **2010**, 34, 422-433	3	32
22	Gastrointestinal diagnosis using non-white light imaging capsule endoscopy. *Nature Reviews Gastroenterology and Hepatology*, **2019**, 16, 429-447	24.2	23
21	Miniaturized 3-D Cross-Type Receiver for Wirelessly Powered Capsule Endoscopy. *IEEE Transactions on Microwave Theory and Techniques*, **2019**, 67, 1985-1993	4.1	18
20	Carbon screen-printed electrodes on ceramic substrates for label-free molecular detection of antibiotic resistance. *Journal of Interdisciplinary Nanomedicine*, **2016**, 1, 93-109	4	16
19	Investigation of Flow Distribution in Microchannels Heat Sinks. *Heat Transfer Engineering*, **2009**, 30, 1049-1057	1.7	15
18	Ultrasound capsule endoscopy: sounding out the future. *Annals of Translational Medicine*, **2017**, 5, 201	3.2	15
17	Nanocomposite-Based Microstructured Piezoresistive Pressure Sensors for Low-Pressure Measurement Range. *Micromachines*, **2018**, 9,	3.3	15
16	In-Vivo Evaluation of Microultrasound and Thermometric Capsule Endoscopes. *IEEE Transactions on Biomedical Engineering*, **2019**, 66, 632-639	5	13
15	Luminally expressed gastrointestinal biomarkers. *Expert Review of Gastroenterology and Hepatology* , **2017**, 11, 1119-1134	4.2	10
14	Optimization and characterization of Drop-on-Demand inkjet printing process for platinum organometallic inks **2011**,		10
13	Sensors for Fetal Hypoxia and Metabolic Acidosis: A Review. *Sensors*, **2018**, 18,	3.8	9

12	Optimised co-electrodeposition of Fe□Ga alloys for maximum magnetostriction effect. *Sensors and Actuators A: Physical*, **2015**, 223, 91-96	3.9	9
11	Progress towards a multi-modal capsule endoscopy device featuring microultrasound imaging **2016** ,		8
10	Ultrasound Capsule Endoscopy With a Mechanically Scanning Micro-ultrasound: A Porcine Study. *Ultrasound in Medicine and Biology*, **2020**, 46, 796-804	3.5	6
9	Ultrasound mediated delivery of quantum dots from a proof of concept capsule endoscope to the gastrointestinal wall. *Scientific Reports*, **2021**, 11, 2584	4.9	6
8	Design of conformai wideband antennas for capsule endoscopy within a body tissue environment **2016**,		5
7	Experimental Investigation of Non-Uniform Heating on Flow Boiling Instabilities in a Microchannels Based Heat Sink **2009**,		4
6	Challenges in developing collaborative interdisciplinary research between gastroenterologists and engineers. *Journal of Medical Engineering and Technology*, **2018**, 42, 435-442	1.8	4
5	Progress towards filling through silicon vias with conductive ink **2012**,		3
4	Statistical analysis of stencil technology for wafer-level bumping. *Soldering and Surface Mount Technology*, **2014**, 26, 71-78	1.4	1
3	P-164: Electrical Characterisation and Modeling of Top-Emitting PIN-OLED Devices. *Digest of Technical Papers SID International Symposium*, **2010**, 41, 1863	0.5	1
2	Fabrication of Silicon Microchannel With Integrated Heater and Temperature Sensors for Flow Boiling Studies **2008**,		1
1	Integrated Front End Circuitry for Microultrasound Capsule Endoscopy **2018**,		1