

Manuel Silva

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

197
citations

1307594

7
h-index

1058476

14
g-index

25
all docs

25
docs citations

25
times ranked

282
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of thermoelectric generators by measuring the load-dependence behavior. Measurement: Journal of the International Measurement Confederation, 2011, 44, 2194-2199.	5.0	45
2	High-Performance $\frac{1}{4}$ -Thermoelectric Device Based on $\text{Bi}_{2-x}\text{Te}_{3-x}\text{Sb}_{2+x}\text{Te}_3$ p-n Junctions. ACS Applied Materials & Interfaces, 2019, 11, 38946-38954.	8.0	36
3	Thermoelectric generator and solid-state battery for stand-alone microsystems. Journal of Micromechanics and Microengineering, 2010, 20, 085033.	2.6	24
4	Digitally-controlled array of solid-state microcoolers for use in surgery. Microsystem Technologies, 2011, 17, 1283-1291.	2.0	22
5	Enhanced solid-state electrolytes made of lithium phosphorous oxynitride films. Thin Solid Films, 2012, 522, 85-89.	1.8	19
6	Rechargeable Lithium Film Batteries – Encapsulation and Protection. Procedia Engineering, 2012, 47, 676-679.	1.2	7
7	Photodynamic Therapy at Low-Light Fluence Rate: <i>in vitro</i> Assays on Colon Cancer Cells. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-6.	2.9	7
8	NBI Optical Filters in Minimally Invasive Medical Devices. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 1-7.	2.9	6
9	Integrated solid-state film lithium battery. Procedia Engineering, 2010, 5, 778-781.	1.2	5
10	A wafer-level miniaturized Michelson interferometer on glass substrate for optical coherence tomography applications. Sensors and Actuators A: Physical, 2016, 242, 210-216.	4.1	5
11	Thin-film Materials for Solid-State Rechargeable Lithium Batteries. ECS Transactions, 2013, 45, 139-142.	0.5	4
12	Optical Filter for Providing the Required Illumination to Enable Narrow Band Imaging. Procedia Engineering, 2014, 87, 1414-1417.	1.2	4
13	A 45° saw-dicing process applied to a glass substrate for wafer-level optical splitter fabrication for optical coherence tomography. Journal of Micromechanics and Microengineering, 2016, 26, 084001.	2.6	4
14	Solid-State Thin-Film Lithium Batteries for Integration in Microsystems. Nanoscience and Technology, 2012, , 575-619.	1.5	2
15	Thin Films for Thermoelectric Applications. Nanoscience and Technology, 2012, , 485-528.	1.5	2
16	A new implantable wireless microsystem to induce micritrion in spinal injury patients. , 2010, , .		1
17	Magnetic Control Platform for Wireless Endoscopic Capsules. Procedia Engineering, 2011, 25, 996-999.	1.2	1
18	Stereoscopic image sensor in CMOS technology. Procedia Engineering, 2011, 25, 1277-1280.	1.2	1

#	ARTICLE	IF	CITATIONS
19	A blue optical filter for narrow-band imaging in endoscopic capsules. Proceedings of SPIE, 2014, , .	0.8	1
20	Design and fabrication of thin-walled reservoir based on microcasting assisted by vacuum for neutral argon plasma system in minimally invasive medical devices. Sensors and Actuators A: Physical, 2018, 279, 216-222.	4.1	1
21	433 MHz implantable wireless stimulation of spinal nerves. , 2010, , .		0
22	Gold coated SU-8-based microelectrodes for in vivo electrophysiological studies: Rapid prototyping protocol-specific microelectrode designs. , 2011, , .		0
23	Stereoscopic image sensor with low-cost RGB filters tuned for the visible range. , 2011, , .		0
24	Optical filters for stereoscopic image sensors. , 2013, , .		0
25	Optical filters for narrow-band imaging on medical devices. , 2017, , .		0