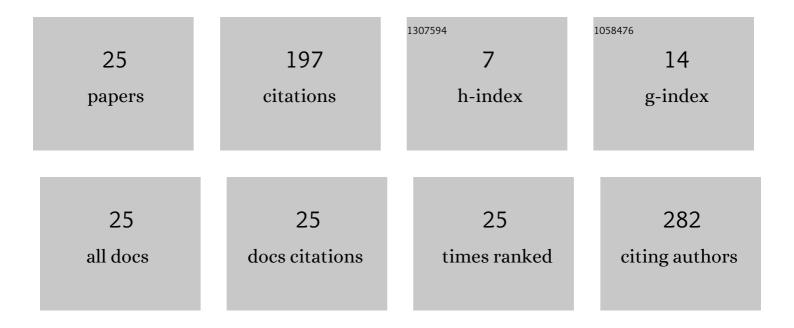
## Manuel Silva

List of Publications by Year in descending order

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| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Characterization of thermoelectric generators by measuring the load-dependence behavior.<br>Measurement: Journal of the International Measurement Confederation, 2011, 44, 2194-2199.                  | 5.0 | 45        |
| 2  | High-Performance μ-Thermoelectric Device Based on<br>Bi <sub>2</sub> Te <sub>3</sub> /Sb <sub>2</sub> Te <sub>3</sub> p–n Junctions. ACS Applied Materials<br>& Interfaces, 2019, 11, 38946-38954.     | 8.0 | 36        |
| 3  | Thermoelectric generator and solid-state battery for stand-alone microsystems. Journal of<br>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 solidâ€state electrolytes made of lithium phosphorous oxynitride films. Thin Solid Films,<br>2012, 522, 85-89.  | 1.8 | 19        |
| 6  | Rechargeable Lithium Film Batteries – Encapsulation and Protection. Procedia Engineering, 2012, 47,<br>676-679.  | 1.2 | 7         |
| 7  | Photodynamic Therapy at Low-Light Fluence Rate: <italic>in vitro</italic> Assays on Colon<br>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<br>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 mictrition 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         |

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| #  | 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 tunned 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         |