Richard Webb

List of Publications by Year in Descending Order

16 papers	3,122 citations	12 h-index	17 g-index
17 ext. papers	3,536 ext. citations	15.9 avg, IF	4.01 L-index

#	Paper	IF	Citations
16	Multimodal epidermal devices for hydration monitoring. *Microsystems and Nanoengineering*, **2017**, 3, 17014	7.7	40
15	Bioresorbable silicon electronic sensors for the brain. *Nature*, **2016**, 530, 71-6	50.4	582
14	Ultrathin, Skin-Like Devices for Precise, Continuous Thermal Property Mapping of Human Skin and Soft Tissues. *Microsystems and Nanosystems*, **2016**, 117-132	0.4	6
13	Materials and fractal designs for 3D multifunctional integumentary membranes with capabilities in cardiac electrotherapy. *Advanced Materials*, **2015**, 27, 1731-7	24	117
12	Epidermal devices for noninvasive, precise, and continuous mapping of macrovascular and microvascular blood flow. *Science Advances*, **2015**, 1, e1500701	14.3	145
11	Conformal piezoelectric systems for clinical and experimental characterization of soft tissue biomechanics. *Nature Materials*, **2015**, 14, 728-36	27	310
10	Membranes: Materials and Fractal Designs for 3D Multifunctional Integumentary Membranes with Capabilities in Cardiac Electrotherapy (Adv. Mater. 10/2015). *Advanced Materials*, **2015**, 27, 1730-1730	24	2
9	Thermal transport characteristics of human skin measured in vivo using ultrathin conformal arrays of thermal sensors and actuators. *PLoS ONE*, **2015**, 10, e0118131	3.7	55
8	3D multifunctional integumentary membranes for spatiotemporal cardiac measurements and stimulation across the entire epicardium. *Nature Communications*, **2014**, 5, 3329	17.4	384
7	Rugged and breathable forms of stretchable electronics with adherent composite substrates for transcutaneous monitoring. *Nature Communications*, **2014**, 5, 4779	17.4	245
6	Thermal analysis of ultrathin, compliant sensors for characterization of the human skin. *RSC Advances*, **2014**, 4, 5694	3.7	10
5	Poling and crosslinking processes in NLO polymers. *Journal of Polymer Science Part A*, **2014**, 52, 2769-2775	2.5	8
4	Epidermal photonic devices for quantitative imaging of temperature and thermal transport characteristics of the skin. *Nature Communications*, **2014**, 5, 4938	17.4	185
3	Multifunctional skin-like electronics for quantitative, clinical monitoring of cutaneous wound healing. *Advanced Healthcare Materials*, **2014**, 3, 1597-607	10.1	175
2	Ultrathin conformal devices for precise and continuous thermal characterization of human skin. *Nature Materials*, **2013**, 12, 938-44	27	826
1	Bio-integrated electronics and sensor systems **2013**,		1