

Richard Webb

List of Publications by Citations

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

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