

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.

22 papers	5,652 citations	14 h-index	22 g-index
22 ext. papers	6,401 ext. citations	16.4 avg, IF	4.99 L-index

#	Paper	IF	Citations
22	Epidermal electronics. <i>Science</i> , 2011 , 333, 838-43	33.3	3216
21	Materials for multifunctional balloon catheters with capabilities in cardiac electrophysiological mapping and ablation therapy. <i>Nature Materials</i> , 2011 , 10, 316-23	27	580
20	A kirigami approach to engineering elasticity in nanocomposites through patterned defects. <i>Nature Materials</i> , 2015 , 14, 785-9	27	389
19	3D multifunctional integumentary membranes for spatiotemporal cardiac measurements and stimulation across the entire epicardium. <i>Nature Communications</i> , 2014 , 5, 3329	17.4	384
18	Soft materials in neuroengineering for hard problems in neuroscience. <i>Neuron</i> , 2015 , 86, 175-86	13.9	195
17	Electronic sensor and actuator webs for large-area complex geometry cardiac mapping and therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 19910-5	11.5	190
16	Origami and Kirigami Nanocomposites. <i>ACS Nano</i> , 2017 , 11, 7587-7599	16.7	139
15	Materials and fractal designs for 3D multifunctional integumentary membranes with capabilities in cardiac electrotherapy. <i>Advanced Materials</i> , 2015 , 27, 1731-7	24	117
14	Water-Rich Biomimetic Composites with Abiotic Self-Organizing Nanofiber Network. <i>Advanced Materials</i> , 2018 , 30, 1703343	24	94
13	Branched Aramid Nanofibers. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11744-11748	16.4	90
12	High Strength Conductive Composites with Plasmonic Nanoparticles Aligned on Aramid Nanofibers. <i>Advanced Functional Materials</i> , 2016 , 26, 8435-8445	15.6	89
11	Kirigami Nanocomposites as Wide-Angle Diffraction Gratings. <i>ACS Nano</i> , 2016 , 10, 6156-62	16.7	57
10	Stretchable conductors by kirigami patterning of aramid-silver nanocomposites with zero conductance gradient. <i>Applied Physics Letters</i> , 2017 , 111, 161901	3.4	32
9	3D Interfacing between Soft Electronic Tools and Complex Biological Tissues. <i>Advanced Materials</i> , 2021 , 33, e2004425	24	25
8	Elastic, Conductive, and Mechanically Strong Hydrogels from Dual-Cross-Linked Aramid Nanofiber Composites. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 7539-7545	9.5	14
7	Branched Aramid Nanofibers. <i>Angewandte Chemie</i> , 2017 , 129, 11906-11910	3.6	13
6	Biomimetic Nanocomposites: Water-Rich Biomimetic Composites with Abiotic Self-Organizing Nanofiber Network (Adv. Mater. 1/2018). <i>Advanced Materials</i> , 2018 , 30, 1870007	24	10

5	An Universal and Easy-to-Use Model for the Pressure of Arbitrary-Shape 3D Multifunctional Integumentary Cardiac Membranes. <i>Advanced Healthcare Materials</i> , 2016 , 5, 889-92	10.1	8
4	Ideal strengths, structure transitions, and bonding properties of a ZnO single crystal under tension. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 495402	1.8	5
3	Breathable and Skin-Conformal Electronics with Hybrid Integration of Microfabricated Multifunctional Sensors and Kirigami-Structured Nanofibrous Substrates. <i>Advanced Functional Materials</i> , 2202792	15.6	3
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	Organ-Mounted Electronics: An Universal and Easy-to-Use Model for the Pressure of Arbitrary-Shape 3D Multifunctional Integumentary Cardiac Membranes (Adv. Healthcare Mater. 8/2016). <i>Advanced Healthcare Materials</i> , 2016 , 5, 866-866	10.1	