Jonathan T Reeder

List of Publications by Year
in descending order

32 papers	6,261 citations	201385 27 h-index	454577 30 g-index
32 all docs	32 docs citations	32 times ranked	8404 citing authors

#	Article	IF	Citations
1	An ultra-lightweight design for imperceptible plastic electronics. Nature, 2013, 499, 458-463.	13.7	2,133
2	A transparent bending-insensitive pressure sensor. Nature Nanotechnology, 2016, 11, 472-478.	15.6	680
3	Battery-free, skin-interfaced microfluidic/electronic systems for simultaneous electrochemical, colorimetric, and volumetric analysis of sweat. Science Advances, 2019, 5, eaav3294.	4.7	497
4	Ultraflexible, large-area, physiological temperature sensors for multipoint measurements. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14533-14538.	3.3	313
5	Soft, Skin-Integrated Multifunctional Microfluidic Systems for Accurate Colorimetric Analysis of Sweat Biomarkers and Temperature. ACS Sensors, 2019, 4, 379-388.	4.0	239
6	Mechano-acoustic sensing of physiological processes and body motions via a soft wireless device placed at the suprasternal notch. Nature Biomedical Engineering, 2020, 4, 148-158.	11.6	223
7	Waterproof, electronics-enabled, epidermal microfluidic devices for sweat collection, biomarker analysis, and thermography in aquatic settings. Science Advances, 2019, 5, eaau6356.	4.7	208
8	Mechanically Adaptive Organic Transistors for Implantable Electronics. Advanced Materials, 2014, 26, 4967-4973.	11.1	162
9	Emerging Modalities and Implantable Technologies for Neuromodulation. Cell, 2020, 181, 115-135.	13.5	152
10	Fabrication of Responsive, Softening Neural Interfaces. Advanced Functional Materials, 2012, 22, 3470-3479.	7.8	127
11	Battery-free, fully implantable optofluidic cuff system for wireless optogenetic and pharmacological neuromodulation of peripheral nerves. Science Advances, 2019, 5, eaaw5296.	4.7	127
12	Threeâ€Ðimensional Flexible Electronics Enabled by Shape Memory Polymer Substrates for Responsive Neural Interfaces. Macromolecular Materials and Engineering, 2012, 297, 1193-1202.	1.7	120
13	A strain-absorbing design for tissueâ€“machine interfaces using a tunable adhesive gel. Nature Communications, 2014, 5, 5898.	5.8	120
14	Soft, skin-mounted microfluidic systems for measuring secretory fluidic pressures generated at the surface of the skin by eccrine sweat glands. Lab on A Chip, 2017, 17, 2572-2580.	3.1	117
15	Skin-interfaced microfluidic system with personalized sweating rate and sweat chloride analytics for sports science applications. Science Advances, 2020, 6, .	4.7	110
16	Sweat-activated biocompatible batteries for epidermal electronic and microfluidic systems. Nature Electronics, 2020, 3, 554-562.	13.1	99
17	Soft Wearable Systems for Colorimetric and Electrochemical Analysis of Biofluids. Advanced Functional Materials, 2020, 30, 1907269.	7.8	92
18	Soft, Skinâ€Interfaced Microfluidic Systems with Wireless, Batteryâ€Free Electronics for Digital, Realâ€Time Tracking of Sweat Loss and Electrolyte Composition. Small, 2018, 14, e1802876.	5.2	88

#	Article	IF	Citations
19	Soft, skin-interfaced wearable systems for sports science and analytics. Current Opinion in Biomedical Engineering, 2019, 9, 47-56.	1.8	84
20	Soft, skin-interfaced microfluidic systems with integrated immunoassays, fluorometric sensors, and impedance measurement capabilities. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27906-27915.	3.3	84
21	Resettable skin interfaced microfluidic sweat collection devices with chemesthetic hydration feedback. Nature Communications, 2019, 10, 5513.	5.8	74
22	Biodegradable Polyanhydrides as Encapsulation Layers for Transient Electronics. Advanced Functional Materials, 2020, 30, 2000941.	7.8	67
23	Soft, skin-interfaced sweat stickers for cystic fibrosis diagnosis and management. Science Translational Medicine, 2021, 13, .	5.8	65
24	Soft, Skinâ€Interfaced Microfluidic Systems with Passive Galvanic Stopwatches for Precise Chronometric Sampling of Sweat. Advanced Materials, 2019, 31, e1902109.	11.1	62
25	Soft, bioresorbable coolers for reversible conduction block of peripheral nerves. Science, 2022, 377, 109-115.	6.0	62
26	3D, Reconfigurable, Multimodal Electronic Whiskers via Directed Air Assembly. Advanced Materials, 2018, 30, 1706733.	11.1	45
27	Skinâ€Interfaced Microfluidic Systems that Combine Hard and Soft Materials for Demanding Applications in Sweat Capture and Analysis. Advanced Healthcare Materials, 2021, 10, e2000722.	3.9	40
28	Continuous, noninvasive wireless monitoring of flow of cerebrospinal fluid through shunts in patients with hydrocephalus. Npj Digital Medicine, 2020, 3, 29.	5.7	26
29	Bioresorbable Microdroplet Lasers as Injectable Systems for Transient Thermal Sensing and Modulation. ACS Nano, 2021, 15, 2327-2339.	7.3	20
30	Development of flexible and wide-range polymer-based temperature sensor for human bodies. , 2016, , .		14
31	Measuring fine-grained heart-rate using a flexible wearable sensor in the presence of noise. , 2018, , .		8
32	Electronic Whiskers: 3D, Reconfigurable, Multimodal Electronic Whiskers via Directed Air Assembly (Adv. Mater. 11/2018). Advanced Materials, 2018, 30, 1870078.	11.1	3