

Jonathan T Reeder

List of Publications by Citations

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Version: 2024-04-25

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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.

31
papers

4,460
citations

24
h-index

32
g-index

32
ext. papers

5,330
ext. citations

18.4
avg, IF

5.2
L-index

#	Paper	IF	Citations
31	An ultra-lightweight design for imperceptible plastic electronics. <i>Nature</i> , 2013 , 499, 458-63	50.4	1781
30	A transparent bending-insensitive pressure sensor. <i>Nature Nanotechnology</i> , 2016 , 11, 472-8	28.7	549
29	Battery-free, skin-interfaced microfluidic/electronic systems for simultaneous electrochemical, colorimetric, and volumetric analysis of sweat. <i>Science Advances</i> , 2019 , 5, eaav3294	14.3	299
28	Ultraflexible, large-area, physiological temperature sensors for multipoint measurements. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 14533-8	11.5	247
27	Mechanically adaptive organic transistors for implantable electronics. <i>Advanced Materials</i> , 2014 , 26, 4967-73	17.3	144
26	Waterproof, electronics-enabled, epidermal microfluidic devices for sweat collection, biomarker analysis, and thermography in aquatic settings. <i>Science Advances</i> , 2019 , 5, eaau6356	14.3	142
25	Soft, Skin-Integrated Multifunctional Microfluidic Systems for Accurate Colorimetric Analysis of Sweat Biomarkers and Temperature. <i>ACS Sensors</i> , 2019 , 4, 379-388	9.2	134
24	Fabrication of Responsive, Softening Neural Interfaces. <i>Advanced Functional Materials</i> , 2012 , 22, 3470-3476	15.6	110
23	Mechano-acoustic sensing of physiological processes and body motions via a soft wireless device placed at the suprasternal notch. <i>Nature Biomedical Engineering</i> , 2020 , 4, 148-158	19	109
22	A strain-absorbing design for tissue-machine interfaces using a tunable adhesive gel. <i>Nature Communications</i> , 2014 , 5, 5898	17.4	106
21	Three-Dimensional Flexible Electronics Enabled by Shape Memory Polymer Substrates for Responsive Neural Interfaces. <i>Macromolecular Materials and Engineering</i> , 2012 , 297, 1193-1202	3.9	101
20	Soft, skin-mounted microfluidic systems for measuring secretory fluidic pressures generated at the surface of the skin by eccrine sweat glands. <i>Lab on A Chip</i> , 2017 , 17, 2572-2580	7.2	93
19	Battery-free, fully implantable optofluidic cuff system for wireless optogenetic and pharmacological neuromodulation of peripheral nerves. <i>Science Advances</i> , 2019 , 5, eaaw5296	14.3	79
18	Soft, Skin-Interfaced Microfluidic Systems with Wireless, Battery-Free Electronics for Digital, Real-Time Tracking of Sweat Loss and Electrolyte Composition. <i>Small</i> , 2018 , 14, e1802876	11	66
17	Emerging Modalities and Implantable Technologies for Neuromodulation. <i>Cell</i> , 2020 , 181, 115-135	56.2	64
16	Soft, skin-interfaced wearable systems for sports science and analytics. <i>Current Opinion in Biomedical Engineering</i> , 2019 , 9, 47-56	4.4	51
15	Sweat-activated biocompatible batteries for epidermal electronic and microfluidic systems. <i>Nature Electronics</i> , 2020 , 3, 554-562	28.4	48

14	Soft, Skin-Interfaced Microfluidic Systems with Passive Galvanic Stopwatches for Precise Chronometric Sampling of Sweat. <i>Advanced Materials</i> , 2019 , 31, e1902109	24	42
13	Soft Wearable Systems for Colorimetric and Electrochemical Analysis of Biofluids. <i>Advanced Functional Materials</i> , 2020 , 30, 1907269	15.6	41
12	Resettable skin interfaced microfluidic sweat collection devices with chemesthetic hydration feedback. <i>Nature Communications</i> , 2019 , 10, 5513	17.4	39
11	Soft, skin-interfaced microfluidic systems with integrated immunoassays, fluorometric sensors, and impedance measurement capabilities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 27906-27915	11.5	35
10	Skin-interfaced microfluidic system with personalized sweating rate and sweat chloride analytics for sports science applications. <i>Science Advances</i> , 2020 , 6,	14.3	32
9	Biodegradable Polyanhydrides as Encapsulation Layers for Transient Electronics. <i>Advanced Functional Materials</i> , 2020 , 30, 2000941	15.6	32
8	3D, Reconfigurable, Multimodal Electronic Whiskers via Directed Air Assembly. <i>Advanced Materials</i> , 2018 , 30, 1706733	24	30
7	Soft, skin-interfaced sweat stickers for cystic fibrosis diagnosis and management. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	21
6	Skin-Interfaced Microfluidic Systems that Combine Hard and Soft Materials for Demanding Applications in Sweat Capture and Analysis. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2000722	10.1	18
5	Continuous, noninvasive wireless monitoring of flow of cerebrospinal fluid through shunts in patients with hydrocephalus. <i>Npj Digital Medicine</i> , 2020 , 3, 29	15.7	14
4	2016 ,		11
3	Bioresorbable Microdroplet Lasers as Injectable Systems for Transient Thermal Sensing and Modulation. <i>ACS Nano</i> , 2021 , 15, 2327-2339	16.7	10
2	Measuring fine-grained heart-rate using a flexible wearable sensor in the presence of noise 2018 ,		3
1	Electronic Whiskers: 3D, Reconfigurable, Multimodal Electronic Whiskers via Directed Air Assembly (Adv. Mater. 11/2018). <i>Advanced Materials</i> , 2018 , 30, 1870078	24	1