

Jeffrey B Model

List of Publications by Year in descending order

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16
papers

1,706
citations

623734

14
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

1970
citing authors

#	ARTICLE	IF	CITATIONS
1	Battery-free, skin-interfaced microfluidic/electronic systems for simultaneous electrochemical, colorimetric, and volumetric analysis of sweat. <i>Science Advances</i> , 2019, 5, eaav3294.	10.3	497
2	Soft, Skin-Integrated Multifunctional Microfluidic Systems for Accurate Colorimetric Analysis of Sweat Biomarkers and Temperature. <i>ACS Sensors</i> , 2019, 4, 379-388.	7.8	239
3	Relation between blood pressure and pulse wave velocity for human arteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11144-11149.	7.1	193
4	Catheter-integrated soft multilayer electronic arrays for multiplexed sensing and actuation during cardiac surgery. <i>Nature Biomedical Engineering</i> , 2020, 4, 997-1009.	22.5	175
5	Skin-interfaced microfluidic system with personalized sweating rate and sweat chloride analytics for sports science applications. <i>Science Advances</i> , 2020, 6, .	10.3	110
6	Soft Wearable Systems for Colorimetric and Electrochemical Analysis of Biofluids. <i>Advanced Functional Materials</i> , 2020, 30, 1907269.	14.9	92
7	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.	7.1	84
8	State of Sweat: Emerging Wearable Systems for Real-Time, Noninvasive Sweat Sensing and Analytics. <i>ACS Sensors</i> , 2021, 6, 2787-2801.	7.8	76
9	Soft, skin-interfaced microfluidic systems with integrated enzymatic assays for measuring the concentration of ammonia and ethanol in sweat. <i>Lab on A Chip</i> , 2020, 20, 84-92.	6.0	67
10	Soft, skin-interfaced sweat stickers for cystic fibrosis diagnosis and management. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	65
11	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.	7.6	40
12	Skin-interfaced soft microfluidic systems with modular and reusable electronics for <i>in situ</i> capacitive sensing of sweat loss, rate and conductivity. <i>Lab on A Chip</i> , 2020, 20, 4391-4403.	6.0	23
13	Skin-Interfaced Microfluidic System with Machine Learning-Enabled Image Processing of Sweat Biomarkers in Remote Settings. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	20
14	Rapid Capture and Extraction of Sweat for Regional Rate and Cytokine Composition Analysis Using a Wearable Soft Microfluidic System. <i>Journal of Investigative Dermatology</i> , 2021, 141, 433-437.e3.	0.7	17
15	Real-Time UV Measurement With a Sun Protection System for Warning Young Adults About Sunburn: Prospective Cohort Study. <i>JMIR MHealth and UHealth</i> , 2021, 9, e25895.	3.7	6
16	Multifunctional Epidermal Sensor Systems with Ultrathin Encapsulation Packaging for Health Monitoring. <i>Microsystems and Nanosystems</i> , 2016, , 193-205.	0.1	2