

Shuai Xu

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

3,110
citations

236925

25
h-index

161849

54
g-index

67
all docs

67
docs citations

67
times ranked

3738
citing authors

#	ARTICLE	IF	CITATIONS
1	Pilot and feasibility deployment of an advanced remote monitoring platform for COVID-19 in long-term care facilities. <i>Journal of the American Geriatrics Society</i> , 2022, 70, 968-971.	2.6	1
2	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
3	A Point-of-Care, Real-Time Artificial Intelligence System to Support Clinician Diagnosis of a Wide Range of Skin Diseases. <i>Journal of Investigative Dermatology</i> , 2021, 141, 1230-1235.	0.7	12
4	Wireless, implantable catheter-type oximeter designed for cardiac oxygen saturation. <i>Science Advances</i> , 2021, 7, .	10.3	45
5	Biocompatible Light Guide-Assisted Wearable Devices for Enhanced UV Light Delivery in Deep Skin. <i>Advanced Functional Materials</i> , 2021, 31, 2100576.	14.9	26
6	Wireless skin sensors for physiological monitoring of infants in low-income and middle-income countries. <i>The Lancet Digital Health</i> , 2021, 3, e266-e273.	12.3	31
7	A skin-conformable wireless sensor to objectively quantify symptoms of pruritus. <i>Science Advances</i> , 2021, 7, .	10.3	38
8	Melanoma toolkit for early detection for primary care providers: A pilot study. <i>Pigment Cell and Melanoma Research</i> , 2021, 34, 984-986.	3.3	3
9	Differential cardiopulmonary monitoring system for artifact-canceled physiological tracking of athletes, workers, and COVID-19 patients. <i>Science Advances</i> , 2021, 7, .	10.3	55
10	Advanced Machine Learning Tools to Monitor Biomarkers of Dysphagia: A Wearable Sensor Proof-of-Concept Study. <i>Digital Biomarkers</i> , 2021, 5, 167-175.	4.4	15
11	Skin-Integrated Devices with Soft, Holey Architectures for Wireless Physiological Monitoring, With Applications in the Neonatal Intensive Care Unit. <i>Advanced Materials</i> , 2021, 33, e2103974.	21.0	35
12	Use of technology for the objective evaluation of scratching behavior: A systematic review. <i>JAAD International</i> , 2021, 5, 19-32.	2.2	8
13	Miniaturized wireless, skin-integrated sensor networks for quantifying full-body movement behaviors and vital signs in infants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	30
14	Starting at Birth: An Integrative, State-of-the-Science Framework for Optimizing Infant Neuromotor Health. <i>Frontiers in Pediatrics</i> , 2021, 9, 787196.	1.9	5
15	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.	22.5	223
16	Reliable, low-cost, fully integrated hydration sensors for monitoring and diagnosis of inflammatory skin diseases in any environment. <i>Science Advances</i> , 2020, 6, .	10.3	40
17	Wireless, skin-interfaced sensors for compression therapy. <i>Science Advances</i> , 2020, 6, .	10.3	52
18	Continuous on-body sensing for the COVID-19 pandemic: Gaps and opportunities. <i>Science Advances</i> , 2020, 6, .	10.3	120

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19	Wireless sensors for continuous, multimodal measurements at the skin interface with lower limb prostheses. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	93
20	Skin-interfaced biosensors for advanced wireless physiological monitoring in neonatal and pediatric intensive-care units. <i>Nature Medicine</i> , 2020, 26, 418-429.	30.7	272
21	The relationship between the number of available therapeutic options and government payer (medicare) Tj ETQq1 1,0.784314 rgBT /C	1.9	3
22	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
23	Waterproof, electronics-enabled, epidermal microfluidic devices for sweat collection, biomarker analysis, and thermography in aquatic settings. <i>Science Advances</i> , 2019, 5, eaau6356.	10.3	208
24	Binodal, wireless epidermal electronic systems with in-sensor analytics for neonatal intensive care. <i>Science</i> , 2019, 363, .	12.6	521
25	Time for a makeover—cosmetics regulation in the United States. <i>Journal of Cosmetic Dermatology</i> , 2019, 18, 2041-2047.	1.6	15
26	Visual perception training: a prospective cohort trial of a novel, technology-based method to teach melanoma recognition. <i>Postgraduate Medical Journal</i> , 2019, 95, 350-352.	1.8	6
27	Overview of high-risk Food and Drug Administration recalls for cosmetics and personal care products from 2002 to 2016. <i>Journal of Cosmetic Dermatology</i> , 2019, 18, 1361-1365.	1.6	9
28	Approval-adjusted recall rates of high-risk medical devices from 2002-2016 across food and drug administration device categories. <i>Issues in Law and Medicine</i> , 2019, 34, 77-92.	0.6	1
29	Adverse events reported to the Food and Drug Administration from 2004 to 2016 for cosmetics and personal care products marketed to newborns and infants. <i>Pediatric Dermatology</i> , 2018, 35, 225-229.	0.9	10
30	Catalyzing Future Drug, Device, and Information Technology Breakthroughs in Dermatology. <i>JAMA Dermatology</i> , 2018, 154, 517.	4.1	0
31	Superabsorbent Polymer Valves and Colorimetric Chemistries for Time-Sequenced Discrete Sampling and Chloride Analysis of Sweat via Skin-Mounted Soft Microfluidics. <i>Small</i> , 2018, 14, e1703334.	10.0	119
32	Professional medical associations and the opportunity to promote breakthrough biomedical innovation. <i>Drug Discovery Today</i> , 2018, 23, 1453-1456.	6.4	1
33	Returning to (Electronic) Health Records That Guide and Teach. <i>American Journal of Medicine</i> , 2018, 131, 723-725.	1.5	1
34	Assessment of the Diameter of Pigmented Skin Lesions With and Without a Ruler. <i>JAMA Dermatology</i> , 2018, 154, 221.	4.1	1
35	Allergen Concerns and Popular Skin Care Products—Reply. <i>JAMA Dermatology</i> , 2018, 154, 115.	4.1	1
36	Major FDA medical device recalls in ophthalmology from 2003 to 2015. <i>Canadian Journal of Ophthalmology</i> , 2018, 53, 98-103.	0.7	5

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37	In vitro protocol for validating interface pressure sensors for therapeutic compression garments: Importance of sphygmomanometer placement and initial cuff diameter. <i>Veins and Lymphatics</i> , 2018, 7, .	0.1	3
38	Reducing FDA regulations for medical devices: cutting red tape or putting patients' lives at risk?. <i>Expert Review of Medical Devices</i> , 2018, 15, 859-861.	2.8	3
39	Wireless, battery-free, flexible, miniaturized dosimeters monitor exposure to solar radiation and to light for phototherapy. <i>Science Translational Medicine</i> , 2018, 10, .	12.4	91
40	Much Choice, Much Confusion: Treating Basal Cell Carcinoma. <i>Annals of Internal Medicine</i> , 2018, 169, 500-501.	3.9	1
41	Epidermal Electronic Systems for Measuring the Thermal Properties of Human Skin at Depths of up to Several Millimeters. <i>Advanced Functional Materials</i> , 2018, 28, 1802083.	14.9	47
42	A fluorometric skin-interfaced microfluidic device and smartphone imaging module for <i>in situ</i> quantitative analysis of sweat chemistry. <i>Lab on A Chip</i> , 2018, 18, 2178-2186.	6.0	166
43	Advanced approaches for quantitative characterization of thermal transport properties in soft materials using thin, conformable resistive sensors. <i>Extreme Mechanics Letters</i> , 2018, 22, 27-35.	4.1	24
44	Epidermal Thermal Depth Sensors: Epidermal Electronic Systems for Measuring the Thermal Properties of Human Skin at Depths of up to Several Millimeters (<i>Adv. Funct. Mater.</i> 34/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870242.	14.9	3
45	Daily Minutes of Unprotected Sun Exposure (MUSE) Inventory: Measure description and comparisons to UVR sensor and sun protection survey data. <i>Preventive Medicine Reports</i> , 2018, 11, 305-311.	1.8	11
46	A Qualitative, Cross-Sectional Study of Positive and Negative Comments of Residency Programs Across 9 Medical and Surgical Specialties. <i>American Journal of Medicine</i> , 2018, 131, 1130-1134.e6.	1.5	10
47	Thin, Millimeter Scale Fingernail Sensors for Thermal Characterization of Nail Bed Tissue. <i>Advanced Functional Materials</i> , 2018, 28, 1801380.	14.9	12
48	Social Media Ratings of Minimally Invasive Fat Reduction Procedures: Benchmarking Against Traditional Liposuction. <i>Dermatologic Surgery</i> , 2018, 44, 971-975.	0.8	8
49	Radiological Medical Device Innovation: Approvals via the Premarket Approval Pathway From 2000 to 2015. <i>Journal of the American College of Radiology</i> , 2017, 14, 24-33.	1.8	6
50	Cost-effectiveness of Prophylactic Moisturization for Atopic Dermatitis. <i>JAMA Pediatrics</i> , 2017, 171, e163909.	6.2	37
51	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.	6.0	117
52	The Need for Ergonomics Education in Dermatology and Dermatologic Surgery. <i>JAMA Dermatology</i> , 2017, 153, 13.	4.1	5
53	Potential impact of biologics and emerging therapies for psoriasis and atopic dermatitis on future fertility: Reassurance to patients but more data are needed. <i>Journal of the American Academy of Dermatology</i> , 2017, 77, 758-763.	1.2	10
54	Consumer Preferences, Product Characteristics, and Potentially Allergenic Ingredients in Best-selling Moisturizers. <i>JAMA Dermatology</i> , 2017, 153, 1099.	4.1	58

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55	Device Safety Implications of the Clinical Data Leading to US Food and Drug Administration Approval of Soft-Tissue Fillers. <i>JAMA Facial Plastic Surgery</i> , 2017, 19, 421-429.	2.1	11
56	Eczema, Atopic Dermatitis, or Atopic Eczema: Analysis of Global Search Engine Trends. <i>Dermatitis</i> , 2017, 28, 276-279.	1.6	5
57	A Call for Fertility Preservation Coverage for Breast Cancer Patients: The Cost of Consistency. <i>Journal of the National Cancer Institute</i> , 2017, 109, .	6.3	31
58	In Reply. <i>Obstetrics and Gynecology</i> , 2017, 129, 753-753.	2.4	1
59	Adverse Events Reported to the US Food and Drug Administration for Cosmetics and Personal Care Products. <i>JAMA Internal Medicine</i> , 2017, 177, 1202.	5.1	46
60	Medical malpractice web advertising: a qualitative, cross-sectional analysis of plaintiff medical malpractice firms in Suffolk County, Massachusetts. <i>Issues in Law and Medicine</i> , 2017, 32, 205-214.	0.6	0
61	Sunscreen Product Performance and Other Determinants of Consumer Preferences. <i>JAMA Dermatology</i> , 2016, 152, 920.	4.1	61
62	Oncofertility considerations in adolescents and young adults given a diagnosis of melanoma: Fertility risk of Food and Drug Administration-approved systemic therapies. <i>Journal of the American Academy of Dermatology</i> , 2016, 75, 528-534.	1.2	44
63	Overview of Class I Device Recalls in Diagnostic Radiology, 2002-2015. <i>Journal of the American College of Radiology</i> , 2016, 13, 638-643.	1.8	6
64	Overview of High-Risk Medical Device Innovation in Gastroenterology from 2000 to 2014: Enhancing the Pipeline. <i>Digestive Diseases and Sciences</i> , 2016, 61, 2165-2174.	2.3	5
65	Accuracy and sources of images from direct Google image searches for common dermatology terms. <i>Cutis</i> , 2016, 98, E6-E8.	0.3	0
66	Topical Drug Innovation From 2000 Through 2014. <i>JAMA Dermatology</i> , 2015, 151, 792.	4.1	6
67	Therapeutic transdermal drug innovation from 2000 to 2014: current status and outlook. <i>Drug Discovery Today</i> , 2015, 20, 1293-1299.	6.4	21