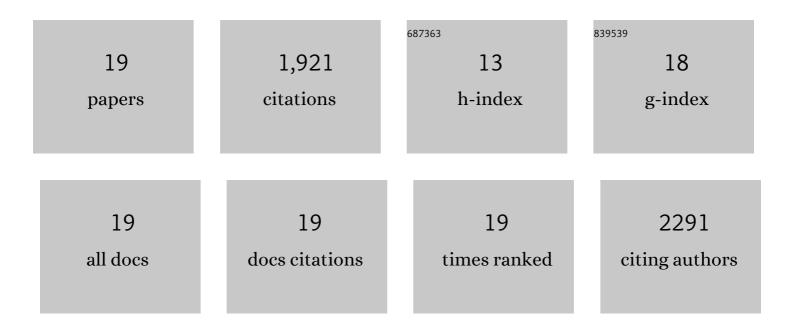
## Jae Hyun Han

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/10536811/publications.pdf Version: 2024-02-01



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#	Article	IF	CITATIONS
1	Biomimetic and flexible piezoelectric mobile acoustic sensors with multiresonant ultrathin structures for machine learning biometrics. Science Advances, 2021, 7, .	10.3	104
2	Autonomous Microcapillary Drug Delivery System Selfâ€Powered by a Flexible Energy Harvester. Advanced Materials Technologies, 2021, 6, 2100526.	5.8	7
3	A Harvesting Circuit for Flexible Thin-Film Piezoelectric Generator Achieving 562% Energy Extraction Improvement With Load Screening. IEEE Transactions on Industrial Electronics, 2021, 68, 12310-12321.	7.9	5
4	Flexible Piezoelectric Acoustic Sensors and Machine Learning for Speech Processing. Advanced Materials, 2020, 32, e1904020.	21.0	155
5	Speech Recognition: Flexible Piezoelectric Acoustic Sensors and Machine Learning for Speech Processing (Adv. Mater. 35/2020). Advanced Materials, 2020, 32, 2070259.	21.0	8
6	Dual-Structured Flexible Piezoelectric Film Energy Harvesters for Effectively Integrated Performance. Sensors, 2019, 19, 1444.	3.8	27
7	Performance improvement of flexible piezoelectric energy harvester for irregular human motion with energy extraction enhancement circuit. Nano Energy, 2019, 58, 211-219.	16.0	88
8	Machine learning-based self-powered acoustic sensor for speaker recognition. Nano Energy, 2018, 53, 658-665.	16.0	121
9	Basilar membrane-inspired self-powered acoustic sensor enabled by highly sensitive multi tunable frequency band. Nano Energy, 2018, 53, 198-205.	16.0	85
10	Comprehensive biocompatibility of nontoxic and high-output flexible energy harvester using lead-free piezoceramic thin film. APL Materials, 2017, 5, .	5.1	121
11	Performance-enhanced triboelectric nanogenerator enabled by wafer-scale nanogrates of multistep pattern downscaling. Nano Energy, 2017, 35, 415-423.	16.0	120
12	In Vivo Selfâ€Powered Wireless Transmission Using Biocompatible Flexible Energy Harvesters. Advanced Functional Materials, 2017, 27, 1700341.	14.9	160
13	Piezoelectric Sensors: Selfâ€Powered Realâ€īime Arterial Pulse Monitoring Using Ultrathin Epidermal Piezoelectric Sensors (Adv. Mater. 37/2017). Advanced Materials, 2017, 29, .	21.0	4
14	Selfâ€Powered Realâ€Time Arterial Pulse Monitoring Using Ultrathin Epidermal Piezoelectric Sensors. Advanced Materials, 2017, 29, 1702308.	21.0	495
15	Flexible highly-effective energy harvester via crystallographic and computational control of nanointerfacial morphotropic piezoelectric thin film. Nano Research, 2017, 10, 437-455.	10.4	86
16	Selfâ€Powered Wireless Sensor Node Enabled by an Aerosolâ€Deposited PZT Flexible Energy Harvester. Advanced Energy Materials, 2016, 6, 1600237.	19.5	179
17	Selfâ€Powered Devices: Selfâ€Powered Wireless Sensor Node Enabled by an Aerosolâ€Deposited PZT Flexible Energy Harvester (Adv. Energy Mater. 13/2016). Advanced Energy Materials, 2016, 6, .	19.5	4
18	A Reconfigurable Rectified Flexible Energy Harvester via Solidâ€ <del>S</del> tate Single Crystal Grown PMN–PZT. Advanced Energy Materials, 2015, 5, 1500051.	19.5	116

#	Article	IF	CITATIONS
19	Flexible Self-Charging, Ultrafast, High-Power-Density Ceramic Capacitor System. ACS Energy Letters, 0, , 1383-1391.	17.4	36