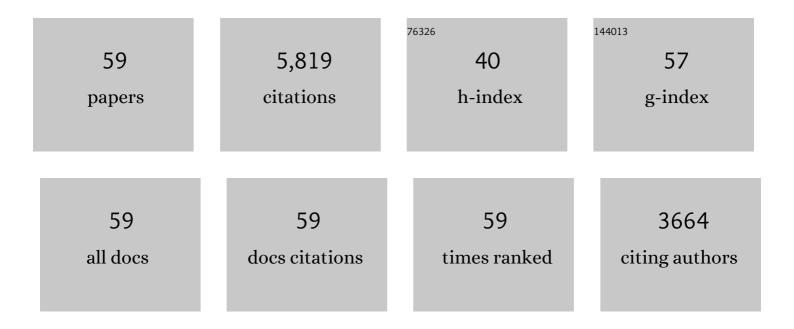
List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1528955/publications.pdf Version: 2024-02-01



| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Fiber/Fabricâ€Based Piezoelectric and Triboelectric Nanogenerators for Flexible/Stretchable and Wearable Electronics and Artificial Intelligence. Advanced Materials, 2020, 32, e1902549. | 21.0 | 826 |
| 2 | A breathable, biodegradable, antibacterial, and self-powered electronic skin based on all-nanofiber triboelectric nanogenerators. Science Advances, 2020, 6, eaba9624. | 10.3 | 589 |
| 3 | A Stretchable Yarn Embedded Triboelectric Nanogenerator as Electronic Skin for Biomechanical Energy Harvesting and Multifunctional Pressure Sensing. Advanced Materials, 2018, 30, e1804944. | 21.0 | 396 |
| 4 | Shape adaptable and highly resilient 3D braided triboelectric nanogenerators as e-textiles for power and sensing. Nature Communications, 2020, 11, 2868. | 12.8 | 285 |
| 5 | Self-Powered Sensors and Systems Based on Nanogenerators. Sensors, 2020, 20, 2925. | 3.8 | 195 |
| 6 | A Triboelectric Nanogeneratorâ€Based Smart Insole for Multifunctional Gait Monitoring. Advanced Materials Technologies, 2019, 4, 1800360. | 5.8 | 181 |
| 7 | Stretchable, Washable, and Ultrathin Triboelectric Nanogenerators as Skinâ€Like Highly Sensitive Selfâ€Powered Haptic Sensors. Advanced Functional Materials, 2021, 31, . | 14.9 | 155 |
| 8 | Flexible and Stretchable Fiberâ€ s haped Triboelectric Nanogenerators for Biomechanical Monitoring and Humanâ€ i nteractive Sensing. Advanced Functional Materials, 2021, 31, 2006679. | 14.9 | 145 |
| 9 | Flame-Retardant Textile-Based Triboelectric Nanogenerators for Fire Protection Applications. ACS Nano, 2020, 14, 15853-15863. | 14.6 | 133 |
| 10 | Advances in Highâ€Performance Autonomous Energy and Selfâ€Powered Sensing Textiles with Novel 3D Fabric Structures. Advanced Materials, 2022, 34, e2109355. | 21.0 | 118 |
| 11 | Allâ€Nanofiber Selfâ€Powered Skinâ€Interfaced Realâ€Time Respiratory Monitoring System for Obstructive Sleep Apneaâ€Hypopnea Syndrome Diagnosing. Advanced Functional Materials, 2021, 31, 2103559. | 14.9 | 115 |
| 12 | All-in-one 3D acceleration sensor based on coded liquid–metal triboelectric nanogenerator for vehicle restraint system. Materials Today, 2021, 43, 37-44. | 14.2 | 113 |
| 13 | Boosting the Solar Cell Efficiency by Flexo-photovoltaic Effect?. ACS Nano, 2019, 13, 12259-12267. | 14.6 | 111 |
| 14 | Rationally designed rotation triboelectric nanogenerators with much extended lifetime and durability. Nano Energy, 2020, 68, 104378. | 16.0 | 111 |
| 15 | UV-Protective, Self-Cleaning, and Antibacterial Nanofiber-Based Triboelectric Nanogenerators for Self-Powered Human Motion Monitoring. ACS Applied Materials & Interfaces, 2021, 13, 11205-11214. | 8.0 | 111 |
| 16 | A Dual-Mode Triboelectric Nanogenerator for Wind Energy Harvesting and Self-Powered Wind Speed Monitoring. ACS Nano, 2022, 16, 6244-6254. | 14.6 | 111 |
| 17 | A Triboelectric–Electromagnetic Hybrid Nanogenerator with Broadband Working Range for Wind Energy Harvesting and a Self-Powered Wind Speed Sensor. ACS Energy Letters, 0, , 1443-1452. | 17.4 | 110 |
| 18 | Self-Powered Multifunctional Motion Sensor Enabled by Magnetic-Regulated Triboelectric Nanogenerator. ACS Nano, 2018, 12, 5726-5733. | 14.6 | 109 |

| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Helical Fiber Strain Sensors Based on Triboelectric Nanogenerators for Self-Powered Human Respiratory Monitoring. ACS Nano, 2022, 16, 2811-2821. | 14.6 | 102 |
| 20 | Multifunctional Sensor Based on Translationalâ€Rotary Triboelectric Nanogenerator. Advanced Energy Materials, 2019, 9, 1901124. | 19.5 | 101 |
| 21 | Fully Fabric-Based Triboelectric Nanogenerators as Self-Powered Human–Machine Interactive Keyboards. Nano-Micro Letters, 2021, 13, 103. | 27.0 | 96 |
| 22 | A Hybridized Triboelectric–Electromagnetic Water Wave Energy Harvester Based on a Magnetic Sphere. ACS Nano, 2019, 13, 2349-2356. | 14.6 | 92 |
| 23 | Rational Structure Optimized Hybrid Nanogenerator for Highly Efficient Water Wave Energy Harvesting. Advanced Energy Materials, 2019, 9, 1802892. | 19.5 | 92 |
| 24 | A Hydrophobic Self-Repairing Power Textile for Effective Water Droplet Energy Harvesting. ACS Nano, 2021, 15, 18172-18181. | 14.6 | 83 |
| 25 | Sweatâ€Permeable, Biodegradable, Transparent and Selfâ€powered Chitosanâ€Based Electronic Skin with Ultrathin Elastic Gold Nanofibers. Advanced Functional Materials, 2022, 32, . | 14.9 | 80 |
| 26 | TriboPump: A Low ost, Handâ€Powered Water Disinfection System. Advanced Energy Materials, 2019, 9, 1901320. | 19.5 | 74 |
| 27 | An Openâ€Environment Tactile Sensing System: Toward Simple and Efficient Material Identification. Advanced Materials, 2022, 34, e2203073. | 21.0 | 72 |
| 28 | Direct-Current Rotary-Tubular Triboelectric Nanogenerators Based on Liquid-Dielectrics Contact for Sustainable Energy Harvesting and Chemical Composition Analysis. ACS Nano, 2019, 13, 2587-2598. | 14.6 | 66 |
| 29 | Smart Wearable Sensors Based on Triboelectric Nanogenerator for Personal Healthcare Monitoring. Micromachines, 2021, 12, 352. | 2.9 | 62 |
| 30 | Actuation and sensor integrated self-powered cantilever system based on TENG technology. Nano Energy, 2019, 64, 103920. | 16.0 | 60 |
| 31 | Integrated All-Fiber Electronic Skin toward Self-Powered Sensing Sports Systems. ACS Applied Materials & Interfaces, 2021, 13, 50329-50337. | 8.0 | 60 |
| 32 | Electrohydrodynamic Jet Printing Driven by a Triboelectric Nanogenerator. Advanced Functional Materials, 2019, 29, 1901102. | 14.9 | 59 |
| 33 | Smart Textile Triboelectric Nanogenerators: Prospective Strategies for Improving Electricity Output Performance. Nanoenergy Advances, 2022, 2, 133-164. | 7.7 | 59 |
| 34 | High output direct-current power fabrics based on the air breakdown effect. Energy and Environmental Science, 2021, 14, 2460-2471. | 30.8 | 58 |
| 35 | A Power Supply of Self-Powered Online Monitoring Systems for Power Cords. IEEE Transactions on Energy Conversion, 2013, 28, 921-928. | 5.2 | 54 |
| 36 | A review on emerging biodegradable polymers for environmentally benign transient electronic skins. Journal of Materials Science, 2021, 56, 16765-16789. | 3.7 | 49 |

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|----|---|------|-----------|
| 37 | Self-Powered Smart Arm Training Band Sensor Based on Extremely Stretchable Hydrogel Conductors. ACS Applied Materials & Interfaces, 2021, 13, 44868-44877. | 8.0 | 49 |
| 38 | Energy Harvestingâ€Storage Bracelet Incorporating Electrochemical Microsupercapacitors Selfâ€Charged from a Single Hand Gesture. Advanced Energy Materials, 2019, 9, 1900152. | 19.5 | 47 |
| 39 | Design Optimization of Softâ€Contact Freestanding Rotary Triboelectric Nanogenerator for Highâ€Output Performance. Advanced Energy Materials, 2021, 11, 2102106. | 19.5 | 45 |
| 40 | Note: High-efficiency broadband acoustic energy harvesting using Helmholtz resonator and dual piezoelectric cantilever beams. Review of Scientific Instruments, 2014, 85, 066103. | 1.3 | 44 |
| 41 | <scp>Largeâ€scale</scp> fabrication of <scp>coreâ€shell</scp> triboelectric braided fibers and power textiles for energy harvesting and plantar pressure monitoring. EcoMat, 2022, 4, . | 11.9 | 44 |
| 42 | Ultrathin Eardrumâ€Inspired Selfâ€Powered Acoustic Sensor for Vocal Synchronization Recognition with the Assistance of Machine Learning. Small, 2022, 18, e2106960. | 10.0 | 43 |
| 43 | A wideband acoustic energy harvester using a three degree-of-freedom architecture. Applied Physics Letters, 2013, 103, . | 3.3 | 36 |
| 44 | Vibration-Driven Triboelectric Nanogenerator for Vibration Attenuation and Condition Monitoring for Transmission Lines. Nano Letters, 2022, 22, 5584-5591. | 9.1 | 36 |
| 45 | Dual-mode thermal-regulating and self-powered pressure sensing hybrid smart fibers. Chemical Engineering Journal, 2021, 420, 129650. | 12.7 | 34 |
| 46 | Triboelectric Nanogenerator Based on a Rotational Magnetic Ball for Harvesting Transmission Line Magnetic Energy. Advanced Functional Materials, 2022, 32, 2108827. | 14.9 | 33 |
| 47 | Industrial production of bionic scales knitting fabric-based triboelectric nanogenerator for outdoor rescue and human protection. Nano Energy, 2022, 97, 107168. | 16.0 | 28 |
| 48 | Enhanced acoustic wave localization effect using coupled sonic crystal resonators. Applied Physics Letters, 2014, 104, . | 3.3 | 26 |
| 49 | Scalable and washable 3D warp-knitted spacer power fabrics for energy harvesting and pressure sensing. Journal Physics D: Applied Physics, 2021, 54, 424006. | 2.8 | 23 |
| 50 | Enhanced Output of Onâ€Body Direct urrent Power Textiles by Efficient Energy Management for Sustainable Working of Mobile Electronics. Advanced Energy Materials, 2022, 12, . | 19.5 | 23 |
| 51 | Significant tuning of band structures of magneto-mechanical phononic crystals using extraordinarily small magnetic fields. Applied Physics Letters, 2014, 105, 011904. | 3.3 | 14 |
| 52 | Hybrid Triboelectricâ€Electromagnetic Magnetic Energy Harvesterâ€Based Sensing for Wireless Monitoring of Transmission Lines. Small, 2022, 18, . | 10.0 | 14 |
| 53 | A Skinâ€Inspired Triboelectric Nanogenerator with an Interpenetrating Structure for Motion Sensing and Energy Harvesting. Macromolecular Materials and Engineering, 2021, 306, 2100147. | 3.6 | 13 |
| 54 | Multi-Layer Extreme Learning Machine-Based Keystroke Dynamics Identification for Intelligent Keyboard. IEEE Sensors Journal, 2021, 21, 2324-2333. | 4.7 | 10 |

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|----|---|------|-----------|
| 55 | Ultrathin Stretchable All-Fiber Electronic Skin for Highly Sensitive Self-Powered Human Motion Monitoring. Nanoenergy Advances, 2022, 2, 52-63. | 7.7 | 9 |
| 56 | A self-powered and concealed sensor based on triboelectric nanogenerators for cultural-relic anti-theft systems. Nano Research, 2022, 15, 8435-8441. | 10.4 | 9 |
| 57 | Underwater Monitoring Networks Based on Cable-Structured Triboelectric Nanogenerators. Research, 2022, 2022, 9809406. | 5.7 | 4 |
| 58 | Influence of shape demagnetizing effect on piezomagnetic coefficient in magnetostrictive/piezoelectric laminate composite. , 2012, , . | | 1 |
| 59 | Enhanced acoustoelectric coupling in acoustic energy harvester using dual helmholtz resonators. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, . | 3.0 | 1 |