

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3814509/sungwon-lee-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26 papers	5,896 citations	13 h-index	27 g-index
27 ext. papers	6,546 ext. citations	13.6 avg, IF	5.62 L-index

#	Paper	IF	Citations
26	Chemically derived, ultrasmooth graphene nanoribbon semiconductors. <i>Science</i> , 2008 , 319, 1229-32	33.3	4081
25	Inflammation-free, gas-permeable, lightweight, stretchable on-skin electronics with nanomeshes. <i>Nature Nanotechnology</i> , 2017 , 12, 907-913	28.7	555
24	A transparent bending-insensitive pressure sensor. <i>Nature Nanotechnology</i> , 2016 , 11, 472-8	28.7	549
23	Enhancing the Performance of Stretchable Conductors for E-Textiles by Controlled Ink Permeation. <i>Advanced Materials</i> , 2017 , 29, 1605848	24	170
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	Continuous production of uniform poly(3-hexylthiophene) (P3HT) nanofibers by electrospinning and their electrical properties. <i>Journal of Materials Chemistry</i> , 2009 , 19, 743-748		106
20	A photonic sintering derived Ag flake/nanoparticle-based highly sensitive stretchable strain sensor for human motion monitoring. <i>Nanoscale</i> , 2018 , 10, 7890-7897	7.7	74
19	Functionalization of graphene layers and advancements in device applications. <i>Carbon</i> , 2019 , 152, 954-985	5.4	61
18	Breathable Nanomesh Humidity Sensor for Real-Time Skin Humidity Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 44758-44763	9.5	52
17	High-Frequency, Conformable Organic Amplifiers. <i>Advanced Materials</i> , 2016 , 28, 3298-304	24	46
16	Ultrathin silver telluride nanowire films and gold nanosheet electrodes for a flexible resistive switching device. <i>Nanoscale</i> , 2018 , 10, 5424-5430	7.7	18
15	Extremely flexible and mechanically durable planar supercapacitors: High energy density and low-cost power source for E-skin electronics. <i>Nano Energy</i> , 2020 , 78, 105356	17.1	13
14	Stable and sustainable photoanodes using zinc oxide and cobalt oxide chemically gradient nanostructures for water-splitting applications. <i>Journal of Colloid and Interface Science</i> , 2020 , 558, 9-20	9.3	13
13	Enhancing the conductivity of PEDOT:PSS films for biomedical applications via hydrothermal treatment. <i>Biosensors and Bioelectronics</i> , 2021 , 171, 112717	11.8	13
12	Recent advances in graphene monolayers growth and their biological applications: A review. <i>Advances in Colloid and Interface Science</i> , 2020 , 283, 102225	14.3	11
11	Accurate, hysteresis-free temperature sensor for health monitoring using a magnetic sensor and pristine polymer.. <i>RSC Advances</i> , 2019 , 9, 7885-7889	3.7	8
10	All-Organic, Solution-Processed, Extremely Conformal, Mechanically Biocompatible, and Breathable Epidermal Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 5660-5667	9.5	6

9	Multifunctional Metal-oxide Integrated Monolayer Graphene Heterostructures for Planar, Flexible, and Skin-mountable Device Applications. <i>Nano Energy</i> , 2021 , 88, 106274	17.1	5
8	Defects-free single-crystalline zinc oxide nanostructures for efficient photoelectrochemical solar hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 27279-27290	6.7	4
7	Predominantly enhanced catalytic activities of surface protected ZnO nanorods integrated stainless-steel mesh structures: A synergistic impact on oxygen evolution reaction process. <i>Chemical Engineering Journal</i> , 2022 , 429, 132360	14.7	2
6	User-friendly methodology for chemical vapor deposition grown graphene-layers transfer: Design and implementation. <i>Materials Today Chemistry</i> , 2021 , 21, 100546	6.2	1
5	A Hierarchical Metal Nanowire Network Structure for Durable, Cost-Effective, Stretchable, and Breathable Electronics.. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 60425-60432	9.5	1
4	Multi-deformable piezoelectric energy nano-generator with high conversion efficiency for subtle body movements. <i>Nano Energy</i> , 2022 , 97, 107223	17.1	0
3	Larger, flexible, and skin-mountable energy devices with graphene single layers for integratable, wearable, and health monitoring systems. <i>Materials Today Chemistry</i> , 2022 , 23, 100764	6.2	
2	Highly Reliable Magnetic-Based Pressure Sensor Utilizing Simple Microstructured PDMS: Mechanical and Design Analysis via Finite Element Analysis. <i>IEEE Sensors Journal</i> , 2021 , 21, 16560-16567 ⁴		
1	Impact of shock waves on the physical and chemical properties of aligned zinc oxide structures grown over metal-sheets. <i>Materials Today Chemistry</i> , 2022 , 24, 100921	6.2	