

# Yan Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4896662/publications.pdf>

Version: 2024-02-01

47  
papers

4,622  
citations

126907

33  
h-index

214800

47  
g-index

48  
all docs

48  
docs citations

48  
times ranked

5255  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wearable and Highly Sensitive Graphene Strain Sensors for Human Motion Monitoring. <i>Advanced Functional Materials</i> , 2014, 24, 4666-4670.	14.9	923
2	Nanomesh pressure sensor for monitoring finger manipulation without sensory interference. <i>Science</i> , 2020, 370, 966-970.	12.6	361
3	Tattoo-like Polyaniline Microparticle-Doped Gold Nanowire Patches as Highly Durable Wearable Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 19700-19708.	8.0	273
4	Percolating Network of Ultrathin Gold Nanowires and Silver Nanowires toward "Invisible" Wearable Sensors for Detecting Emotional Expression and Apexcardiogram. <i>Advanced Functional Materials</i> , 2017, 27, 1700845.	14.9	257
5	Recent progresses on flexible tactile sensors. <i>Materials Today Physics</i> , 2017, 1, 61-73.	6.0	227
6	A durable nanomesh on-skin strain gauge for natural skin motion monitoring with minimum mechanical constraints. <i>Science Advances</i> , 2020, 6, eabb7043.	10.3	155
7	Hierarchically Structured Vertical Gold Nanowire Array-Based Wearable Pressure Sensors for Wireless Health Monitoring. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 29014-29021.	8.0	148
8	Highly stable flexible pressure sensors with a quasi-homogeneous composition and interlinked interfaces. <i>Nature Communications</i> , 2022, 13, 1317.	12.8	141
9	Ultra-stretchable, sensitive and durable strain sensors based on polydopamine encapsulated carbon nanotubes/elastic bands. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8160-8170.	5.5	131
10	Standing Enokitake-like Nanowire Films for Highly Stretchable Elastronics. <i>ACS Nano</i> , 2018, 12, 9742-9749.	14.6	130
11	Electrospun nanofiber-based soft electronics. <i>NPG Asia Materials</i> , 2021, 13, .	7.9	127
12	Volume-invariant ionic liquid microbands as highly durable wearable biomedical sensors. <i>Materials Horizons</i> , 2016, 3, 208-213.	12.2	121
13	Fabrication of Highly Transparent and Flexible NanoMesh Electrode via Self-assembly of Ultrathin Gold Nanowires. <i>Advanced Electronic Materials</i> , 2016, 2, 1600121.	5.1	112
14	Highly Sensitive Flexible Iontronic Pressure Sensor for Fingertip Pulse Monitoring. <i>Advanced Healthcare Materials</i> , 2020, 9, e2001023.	7.6	106
15	Skin Electronics: Next-Generation Device Platform for Virtual and Augmented Reality. <i>Advanced Functional Materials</i> , 2021, 31, 2009602.	14.9	100
16	<i>Enokitake</i> Mushroom-like Standing Gold Nanowires toward Wearable Noninvasive Bimodal Glucose and Strain Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 9724-9729.	8.0	91
17	A Wearable Second Skin-Like Multifunctional Supercapacitor with Vertical Gold Nanowires and Electrochromic Polyaniline. <i>Advanced Materials Technologies</i> , 2019, 4, 1800473.	5.8	88
18	Skin bioelectronics towards long-term, continuous health monitoring. <i>Chemical Society Reviews</i> , 2022, 51, 3759-3793.	38.1	85

#	ARTICLE	IF	CITATIONS
19	Self-Assembled Ultrathin Gold Nanowires as Highly Transparent, Conductive and Stretchable Supercapacitor. <i>Electroanalysis</i> , 2016, 28, 1298-1304.	2.9	73
20	PEDOT:PSS/Grafted-PDMS Electrodes for Fully Organic and Intrinsically Stretchable Skin-like Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 10373-10379.	8.0	69
21	A Soft Resistive Acoustic Sensor Based on Suspended Standing Nanowire Membranes with Point Crack Design. <i>Advanced Functional Materials</i> , 2020, 30, 1910717.	14.9	68
22	Unconventional Janus Properties of Enokitake-like Gold Nanowire Films. <i>ACS Nano</i> , 2018, 12, 8717-8722.	14.6	65
23	Liquid-Wetting-Solid Strategy To Fabricate Stretchable Sensors for Human-Motion Detection. <i>ACS Sensors</i> , 2016, 1, 303-311.	7.8	64
24	A Moss-Inspired Electroless Gold-Coating Strategy Toward Stretchable Fiber Conductors by Dry Spinning. <i>Advanced Electronic Materials</i> , 2019, 5, 1800462.	5.1	62
25	Vertical Gold Nanowires Stretchable Electrochemical Electrodes. <i>Analytical Chemistry</i> , 2018, 90, 13498-13505.	6.5	58
26	On-skin paintable biogel for long-term high-fidelity electroencephalogram recording. <i>Science Advances</i> , 2022, 8, .	10.3	58
27	Robust, self-adhesive, reinforced polymeric nanofilms enabling gas-permeable dry electrodes for long-term application. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	57
28	A location- and sharpness-specific tactile electronic skin based on staircase-like nanowire patches. <i>Nanoscale Horizons</i> , 2018, 3, 640-647.	8.0	49
29	Patterning Vertically Grown Gold Nanowire Electrodes for Intrinsically Stretchable Organic Transistors. <i>Advanced Electronic Materials</i> , 2019, 5, 1800509.	5.1	48
30	Highly Stretchable Fiber-Shaped Supercapacitors Based on Ultrathin Gold Nanowires with Double-Helix Winding Design. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 42612-42620.	8.0	47
31	Self-assembled gold nanorime mesh conductors for invisible stretchable supercapacitors. <i>Nanoscale</i> , 2018, 10, 15948-15955.	5.6	40
32	Giant Poisson's Effect for Wrinkle-Free Stretchable Transparent Electrodes. <i>Advanced Materials</i> , 2019, 31, e1902955.	21.0	38
33	Intrinsically Stretchable Fuel Cell Based on Enokitake-Like Standing Gold Nanowires. <i>Advanced Energy Materials</i> , 2020, 10, 1903512.	19.5	34
34	Tuning the Rigidity of Silk Fibroin for the Transfer of Highly Stretchable Electronics. <i>Advanced Functional Materials</i> , 2020, 30, 2001518.	14.9	34
35	Ultrasensitive paper-based polyaniline/graphene composite strain sensor for sign language expression. <i>Composites Science and Technology</i> , 2019, 181, 107660.	7.8	26
36	Nanomesh Organic Electrochemical Transistor for Comfortable On-Skin Electrodes with Local Amplifying Function. <i>ACS Applied Electronic Materials</i> , 2020, 2, 3601-3609.	4.3	26

#	ARTICLE	IF	CITATIONS
37	Stretchable, transparent and imperceptible supercapacitors based on Au@MnO <sub>2</sub> nanomesh electrodes. Chemical Communications, 2019, 55, 13737-13740.	4.1	21
38	Bifunctional Fe <sub>3</sub> O <sub>4</sub> @AuNWs particle as wearable bending and strain sensor. Inorganic Chemistry Communication, 2019, 104, 98-104.	3.9	19
39	Embedding Pinhole Vertical Gold Nanowire Electronic Skins for Braille Recognition. Small, 2019, 15, e1804853.	10.0	19
40	Skin Electronics: Next-Generation Device Platform for Virtual and Augmented Reality (Adv. Funct.) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 5	14.9	19
41	Highly Selective Nanostructured Electrochemical Sensor Utilizing Densely Packed Ultrathin Gold Nanowires Film. Electroanalysis, 2020, 32, 1850-1858.	2.9	11
42	Synthesis, Characterization and Biological Evaluation of Two Silver(I) <i>trans</i> -Cinnamate Complexes as Urease Inhibitors. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 423-428.	1.2	10
43	Antimicrobial second skin using copper nanomesh. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	10
44	Syntheses and structures of <i>trans</i> -(5-bromo-2-hydroxybenzylidene)-4-methoxybenzohydrazide and its dioxomolybdenum(VI) complex with catalytic epoxidation property. Journal of Coordination Chemistry, 2013, 66, 2325-2334.	2.2	8
45	Cat-Tail-Like Mesostructured Silica Fibers Decorated with Gold Nanowires: Synthesis, Characterization, and Application as Stretchable Sensors. ChemPlusChem, 2019, 84, 1031-1038.	2.8	6
46	Molecular doping of near-infrared organic photodetectors for photoplethysmogram sensors. Journal of Materials Chemistry C, 2021, 9, 3129-3135.	5.5	6
47	Cat-Tail-Like Mesostructured Silica Fibers Decorated with Gold Nanowires: Synthesis, Characterization, and Application as Stretchable Sensors. ChemPlusChem, 2019, 84, 1030-1030.	2.8	1