

Shu Gong

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

52
papers

4,635
citations

31
h-index

54
g-index

54
ext. papers

5,591
ext. citations

11.3
avg, IF

6.1
L-index

#	Paper	IF	Citations
52	A wearable and highly sensitive pressure sensor with ultrathin gold nanowires. <i>Nature Communications</i> , 2014 , 5, 3132	17.4	1392
51	Highly Stretchy Black Gold E-Skin Nanopatches as Highly Sensitive Wearable Biomedical Sensors. <i>Advanced Electronic Materials</i> , 2015 , 1, 1400063	6.4	331
50	Mimosa-inspired design of a flexible pressure sensor with touch sensitivity. <i>Small</i> , 2015 , 11, 1886-91	11	240
49	Tattoolike Polyaniline Microparticle-Doped Gold Nanowire Patches as Highly Durable Wearable Sensors. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19700-8	9.5	224
48	One-Dimensional Nanomaterials for Soft Electronics. <i>Advanced Electronic Materials</i> , 2017 , 3, 1600314	6.4	218
47	Manufacturable conducting rubber ambers and stretchable conductors from copper nanowire aerogel monoliths. <i>ACS Nano</i> , 2014 , 8, 5707-14	16.7	199
46	Toward Soft Skin-Like Wearable and Implantable Energy Devices. <i>Advanced Energy Materials</i> , 2017 , 7, 1700648	21.8	140
45	Disruptive, Soft, Wearable Sensors. <i>Advanced Materials</i> , 2020 , 32, e1904664	24	138
44	Plasmonic core-shell nanoparticles for SERS detection of the pesticide thiram: size- and shape-dependent Raman enhancement. <i>Nanoscale</i> , 2015 , 7, 2862-8	7.7	122
43	Highly Stretchable and Strain-Insensitive Fiber-Based Wearable Electrochemical Biosensor to Monitor Glucose in the Sweat. <i>Analytical Chemistry</i> , 2019 , 91, 6569-6576	7.8	121
42	Softening gold for elastronics. <i>Chemical Society Reviews</i> , 2019 , 48, 1668-1711	58.5	96
41	Volume-invariant ionic liquid microbands as highly durable wearable biomedical sensors. <i>Materials Horizons</i> , 2016 , 3, 208-213	14.4	96
40	Local Crack-Programmed Gold Nanowire Electronic Skin Tattoos for In-Plane Multisensor Integration. <i>Advanced Materials</i> , 2019 , 31, e1903789	24	94
39	Standing Enokitake-like Nanowire Films for Highly Stretchable Elastronics. <i>ACS Nano</i> , 2018 , 12, 9742-9746	46.7	93
38	Fabrication of Highly Transparent and Flexible NanoMesh Electrode via Self-assembly of Ultrathin Gold Nanowires. <i>Advanced Electronic Materials</i> , 2016 , 2, 1600121	6.4	86
37	Hierarchically Structured Vertical Gold Nanowire Array-Based Wearable Pressure Sensors for Wireless Health Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 29014-29021	9.5	86
36	Vertically Aligned Gold Nanowires as Stretchable and Wearable Epidermal Ion-Selective Electrode for Noninvasive Multiplexed Sweat Analysis. <i>Analytical Chemistry</i> , 2020 , 92, 4647-4655	7.8	66

35	Self-assembled Ultrathin Gold Nanowires as Highly Transparent, Conductive and Stretchable Supercapacitor. <i>Electroanalysis</i> , 2016 , 28, 1298-1304	3	66
34	Enokitake Mushroom-like Standing Gold Nanowires toward Wearable Noninvasive Bimodal Glucose and Strain Sensing. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9724-9729	9.5	63
33	A Wearable Second Skin-Like Multifunctional Supercapacitor with Vertical Gold Nanowires and Electrochromic Polyaniline. <i>Advanced Materials Technologies</i> , 2019 , 4, 1800473	6.8	62
32	Liquid-Wetting-Solid Strategy To Fabricate Stretchable Sensors for Human-Motion Detection. <i>ACS Sensors</i> , 2016 , 1, 303-311	9.2	52
31	Unconventional Janus Properties of Enokitake-like Gold Nanowire Films. <i>ACS Nano</i> , 2018 , 12, 8717-8722	16.7	43
30	Vertical Gold Nanowires Stretchable Electrochemical Electrodes. <i>Analytical Chemistry</i> , 2018 , 90, 13498-13505	13.5	43
29	Stretchable gold fiber-based wearable textile electrochemical biosensor for lactate monitoring in sweat. <i>Talanta</i> , 2021 , 222, 121484	6.2	42
28	Self-powered gold nanowire tattoo triboelectric sensors for soft wearable human-machine interface. <i>Nano Energy</i> , 2020 , 77, 105295	17.1	40
27	Real-Time and In-Situ Monitoring of HO Release from Living Cells by a Stretchable Electrochemical Biosensor Based on Vertically Aligned Gold Nanowires. <i>Analytical Chemistry</i> , 2019 , 91, 13521-13527	7.8	39
26	A Moss-Inspired Electroless Gold-Coating Strategy Toward Stretchable Fiber Conductors by Dry Spinning. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800462	6.4	37
25	A location- and sharpness-specific tactile electronic skin based on staircase-like nanowire patches. <i>Nanoscale Horizons</i> , 2018 , 3, 640-647	10.8	36
24	Multiscale Soft-Hard Interface Design for Flexible Hybrid Electronics. <i>Advanced Materials</i> , 2020 , 32, e1902278	27	35
23	Stretchable gold fiber-based wearable electrochemical sensor toward pH monitoring. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 3655-3660	7.3	32
22	Patterning Vertically Grown Gold Nanowire Electrodes for Intrinsically Stretchable Organic Transistors. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800509	6.4	32
21	A Soft Resistive Acoustic Sensor Based on Suspended Standing Nanowire Membranes with Point Crack Design. <i>Advanced Functional Materials</i> , 2020 , 30, 1910717	15.6	30
20	Self-assembled gold nanorime mesh conductors for invisible stretchable supercapacitors. <i>Nanoscale</i> , 2018 , 10, 15948-15955	7.7	30
19	Highly Stretchable Fiber-Shaped Supercapacitors Based on Ultrathin Gold Nanowires with Double-Helix Winding Design. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 42612-42620	9.5	30
18	Soft piezoresistive pressure sensing matrix from copper nanowires composite aerogel. <i>Science Bulletin</i> , 2016 , 61, 1624-1630	10.6	26

17	Nanowire-Based Soft Wearable Human-Machine Interfaces for Future Virtual and Augmented Reality Applications. <i>Advanced Functional Materials</i> , 2021 , 31, 2008347	15.6	25
16	Soft Wearable Healthcare Materials and Devices. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2100577	10.1	16
15	A Janus gold nanowire electrode for stretchable micro-supercapacitors with distinct capacitances. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14233-14238	13	15
14	Covalent-Cross-Linked Plasmene Nanosheets. <i>ACS Nano</i> , 2019 , 13, 6760-6769	16.7	14
13	Bifunctional Fe ₃ O ₄ @AuNWs particle as wearable bending and strain sensor. <i>Inorganic Chemistry Communication</i> , 2019 , 104, 98-104	3.1	14
12	Intrinsically Stretchable Fuel Cell Based on Enokitake-Like Standing Gold Nanowires. <i>Advanced Energy Materials</i> , 2020 , 10, 1903512	21.8	13
11	Embedding Pinhole Vertical Gold Nanowire Electronic Skins for Braille Recognition. <i>Small</i> , 2019 , 15, e1804853	13	13
10	Dynamically functioning and highly stretchable epidermal supercapacitor based on vertically aligned gold nanowire skins. <i>EcoMat</i> , 2020 , 2, e12022	9.4	10
9	Design of Stretchable Holey Gold Biosensing Electrode for Real-Time Cell Monitoring. <i>ACS Sensors</i> , 2020 , 5, 3165-3171	9.2	10
8	Skin-Like Stretchable Fuel Cell Based on Gold-Nanowire-Impregnated Porous Polymer Scaffolds. <i>Small</i> , 2020 , 16, e2003269	11	9
7	Soft gold nanowire sponge antenna for battery-free wireless pressure sensors. <i>Nanoscale</i> , 2021 , 13, 3957-3964	7.7	9
6	Sensors: Mimosa-Inspired Design of a Flexible Pressure Sensor with Touch Sensitivity (Small 16/2015). <i>Small</i> , 2015 , 11, 1885-1885	11	3
5	A Stretchable Gold Nanowire Sensor and Its Characterization Using Machine Learning for Motion Tracking. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	3
4	A gold nanowire-integrated soft wearable system for dynamic continuous non-invasive cardiac monitoring.. <i>Biosensors and Bioelectronics</i> , 2022 , 205, 114072	11.8	2
3	Two-Dimensional Nanoassemblies from Plasmonic Matryoshka Nanoframes. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 27753-27762	3.8	2
2	Hairy gold nanorods: gold nanowire growth on nanosubstrates [Invited]. <i>Optical Materials Express</i> , 2020 , 10, 342	2.6	1
1	Mechanically-gated electrochemical ionic channels with chemically modified vertically aligned gold nanowires. <i>IScience</i> , 2021 , 24, 103307	6.1	1