Yan-Cong Qiao

List of Publications by Year
in descending order

32 papers	1,654 citations	393982 19 h-index	476904 29 g-index
32 all docs	32 docs citations	32 times ranked	1959 citing authors

#	Article	IF	Citations
1	Wearable humidity sensor based on porous graphene network for respiration monitoring. Biosensors and Bioelectronics, 2018, 116, 123-129.	5.3	278
2	Multilayer Graphene Epidermal Electronic Skin. ACS Nano, 2018, 12, 8839-8846.	7.3	257
3	Triode-Mimicking Graphene Pressure Sensor with Positive Resistance Variation for Physiology and Motion Monitoring. ACS Nano, 2020, 14, 10104-10114.	7.3	180
4	Multifunctional Graphene Microstructures Inspired by Honeycomb for Ultrahigh Performance Electromagnetic Interference Shielding and Wearable Applications. ACS Nano, 2021, 15, 8907-8918.	7.3	110
5	Graphene-based wearable sensors. Nanoscale, 2019, 11, 18923-18945.	2.8	98
6	A Wearable Skinlike Ultra-Sensitive Artificial Graphene Throat. ACS Nano, 2019, 13, 8639-8647.	7.3	80
7	Multifunctional and high-performance electronic skin based on silver nanowires bridging graphene. Carbon, 2020, 156, 253-260.	5.4	67
8	Two-stage amplification of an ultrasensitive MXene-based intelligent artificial eardrum. Science Advances, 2022, 8, eabn2156.	4.7	62
9	Graphene-Based Multifunctional Textile for Sensing and Actuating. ACS Nano, 2021, 15, 17738-17747.	7.3	57
10	Flexible Two-Dimensional Ti_3C_2 MXene Films as Thermoacoustic Devices. ACS Nano, 2019, 13, 12613-12620.	7.3	53
11	Interface Engineering with MoS_2–Pd Nanoparticles Hybrid Structure for a Low Voltage Resistive Switching Memory. Small, 2018, 14, 1702525.	5.2	52
12	Substrate-Free Multilayer Graphene Electronic Skin for Intelligent Diagnosis. ACS Applied Materials & Interfaces, 2020, 12, 49945-49956.	4.0	43
13	Intelligent and Multifunctional Graphene Nanomesh Electronic Skin with High Comfort. Small, 2022, 18, e2104810.	5.2	42
14	Highly Transparent and Sensitive Graphene Sensors for Continuous and Non-invasive Intraocular Pressure Monitoring. ACS Applied Materials & Interfaces, 2020, 12, 18375-18384.	4.0	40
15	Multifunctional Mechanical Sensors for Versatile Physiological Signal Detection. ACS Applied Materials & Interfaces, 2018, 10, 44173-44182.	4.0	36
16	Graphene-Based Thermoacoustic Sound Source. ACS Nano, 2020, 14, 3779-3804.	7.3	33
17	Fabricating Molybdenum Disulfide Memristors. ACS Applied Electronic Materials, 2020, 2, 346-370.	2.0	27
18	An efficient flexible graphene-based light-emitting device. Nanoscale Advances, 2019, 1, 4745-4754.	2.2	22

#	Article	IF	Citations
19	Ultrasensitive Detection of COVID-19 Causative Virus (SARS-CoV-2) Spike Protein Using Laser Induced Graphene Field-Effect Transistor. Molecules, 2021, 26, 6947.	1.7	22
20	Graphene devices based on laser scribing technology. Japanese Journal of Applied Physics, 2018, 57, 04FA01.	0.8	19
21	A Miniaturized Integrated SAW Sensing System for Relative Humidity Based on Graphene Oxide Film. IEEE Sensors Journal, 2020, 20, 9733-9739.	2.4	16
22	An intelligent nanomesh-reinforced graphene pressure sensor with an ultra large linear range. Journal of Materials Chemistry A, 2022, 10, 4858-4869.	5.2	14
23	Electromyogram-strain synergetic intelligent artificial throat. Chemical Engineering Journal, 2022, 449, 137741.	6.6	11
24	Roll-to-roll graphene films for non-disposable electrocardiogram electrodes. Journal Physics D: Applied Physics, 2021, 54, 364003.	1.3	8
25	Intelligent and highly sensitive strain sensor based on indium tin oxide micromesh with a high crack density. Nanoscale, 2022, 14, 4234-4243.	2.8	6
26	Skin‐Mimicking, Stretchable Photodetector for Skin‐Customized Ultraviolet Dosimetry. Advanced Materials Technologies, 2022, 7, .	3.0	6
27	Oral wearable sensors: Health management based on the oral cavity. Biosensors and Bioelectronics: X, 2022, 10, 100135.	0.9	6
28	Electrospun Nanofibers for Integrated Sensing, Storage, and Computing Applications. Applied Sciences (Switzerland), 2022, 12, 4370.	1.3	6
29	Anomalous thermoacoustic effect in topological insulator for sound applications. Applied Physics Letters, 2020, 117, 123502.	1.5	2
30	High Performance and Wireless Graphene Earphone towards Practical Applications. , 2020, , .		1
31	A simple way to grow large-area single-layer MoS_2 film by chemical vapor deposition. , 2017, , .		0
32	A Spectrum-Tunable and Flexible Light-Emitting Device with Ultra-Wide Wavelength Range. , 2020, , .		0