

# Wenjing Yuan

## List of Publications by Year in descending order

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45  
papers

6,829  
citations

172207

29  
h-index

233125

45  
g-index

45  
all docs

45  
docs citations

45  
times ranked

11482  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stretchable, conductive and porous MXene-based multilevel structured fibers for sensitive strain sensing and gas sensing. <i>Journal of Materials Chemistry A</i> , 2022, 10, 15634-15646.	5.2	19
2	Selective detection of methane by Pd-In <sub>2</sub> O <sub>3</sub> sensors with a catalyst filter film. <i>Sensors and Actuators B: Chemical</i> , 2021, 328, 129030.	4.0	25
3	A new sensing material design based on chemically passivated phosphorene/porous two-dimensional polymer: Highly sensitive and selective detection of NO <sub>2</sub> . <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129233.	4.0	22
4	Microstructured MXene/polyurethane fibrous membrane for highly sensitive strain sensing with ultra-wide and tunable sensing range. <i>Composites Communications</i> , 2021, 23, 100586.	3.3	27
5	Controllable configuration of conductive pathway by tailoring the fiber alignment for ultrasensitive strain monitoring. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 141, 106223.	3.8	8
6	Flexible MoSe <sub>2</sub> /MXene films for Li/Na-ion hybrid capacitors. <i>Journal of Power Sources</i> , 2021, 488, 229452.	4.0	59
7	Conductive MXene/melamine sponge combined with 3D printing resin base prepared as an electromagnetic interferences shielding switch. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 143, 106238.	3.8	28
8	Highly stretchable pressure sensors with wrinkled fibrous geometry for selective pressure sensing with minimal lateral strain-induced interference. <i>Composites Part B: Engineering</i> , 2021, 217, 108899.	5.9	24
9	MXene-Derived TiO <sub>2</sub> Nanoparticles Intercalating between RGO Nanosheets: An Assembly for Highly Sensitive Gas Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 39772-39780.	4.0	32
10	Stretchable and wearable conductometric VOC sensors based on microstructured MXene/polyurethane core-sheath fibers. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130500.	4.0	34
11	End Group Modification for Black Phosphorus: Simultaneous Improvement of Chemical Stability and Gas Sensing Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 50270-50280.	4.0	16
12	Wearable Pressure Sensors Based on MXene/Tissue Papers for Wireless Human Health Monitoring. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 60531-60543.	4.0	121
13	Hydrogen sensing mechanism of Ru-loaded WO <sub>3</sub> nanosheets. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127339.	4.0	23
14	Triazine-Based Two-Dimensional Organic Polymer for Selective NO <sub>2</sub> Sensing with Excellent Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 3919-3927.	4.0	48
15	Efficient NH <sub>3</sub> Detection Based on MOS Sensors Coupled with Catalytic Conversion. <i>ACS Sensors</i> , 2020, 5, 1838-1848.	4.0	42
16	Selective detection of methane by HZSM-5 zeolite/Pd-SnO <sub>2</sub> gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128567.	4.0	36
17	Investigation on acetone sensing properties and mechanism of p-type Cr <sub>2</sub> WO <sub>6</sub> nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 3899-3909.	1.1	5
18	Gas sensing investigation on anthraquinone nanowire decorated phosphorene: Enhanced stability in conjunction with superior sensitivity. <i>Chemical Engineering Journal</i> , 2020, 394, 124933.	6.6	14

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19	Flexible and stretchable MXene/Polyurethane fabrics with delicate wrinkle structure design for effective electromagnetic interference shielding at a dynamic stretching process. <i>Composites Communications</i> , 2020, 19, 90-98.	3.3	73
20	A highly flexible and multifunctional strain sensor based on a network-structured MXene/polyurethane mat with ultra-high sensitivity and a broad sensing range. <i>Nanoscale</i> , 2019, 11, 9949-9957.	2.8	150
21	Bioinspired Pretextured Reduced Graphene Oxide Patterns with Multiscale Topographies for High-Performance Mechanosensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 18645-18653.	4.0	15
22	Highly Sensitive, Selective, and Flexible NO <sub>2</sub> Chemiresistors Based on Multilevel Structured Three-Dimensional Reduced Graphene Oxide Fiber Scaffold Modified with Aminoanthroquinone Moieties and Ag Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 9309-9316.	4.0	34
23	A highly sensitive, multifunctional, and wearable mechanical sensor based on RGO/synergetic fiber bundles for monitoring human actions and physiological signals. <i>Sensors and Actuators B: Chemical</i> , 2019, 285, 179-185.	4.0	42
24	Power-law response of metal oxide semiconductor gas sensors to oxygen in presence of reducing gases. <i>Sensors and Actuators B: Chemical</i> , 2018, 267, 510-518.	4.0	39
25	A flexible VOCs sensor based on a 3D Mxene framework with a high sensing performance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18116-18124.	5.2	286
26	Highly sensitive and selective room-temperature nitrogen dioxide sensors based on porous graphene. <i>Sensors and Actuators B: Chemical</i> , 2018, 275, 78-85.	4.0	39
27	High-Performance and Multifunctional Skinlike Strain Sensors Based on Graphene/Springlike Mesh Network. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 19906-19913.	4.0	40
28	Flexible and highly sensitive artificial electronic skin based on graphene/polyamide interlocking fabric. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6840-6846.	2.7	64
29	High-performance gas sensors based on a thiocyanate ion-doped organometal halide perovskite. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12876-12881.	1.3	78
30	Graphene Oxide Membranes with Tunable Semipermeability in Organic Solvents. <i>Advanced Materials</i> , 2015, 27, 3797-3802.	11.1	192
31	A high-performance three-dimensional Ni-Fe layered double hydroxide/graphene electrode for water oxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6921-6928.	5.2	291
32	Small and light strain sensors based on graphene coated human hairs. <i>Nanoscale</i> , 2015, 7, 16361-16365.	2.8	61
33	Solution-Processed PEDOT:PSS/Graphene Composites as the Electrocatalyst for Oxygen Reduction Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 3587-3593.	4.0	115
34	Performance enhancement of a graphene-sulfur composite as a lithium-sulfur battery electrode by coating with an ultrathin Al <sub>2</sub> O <sub>3</sub> film via atomic layer deposition. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7360.	5.2	135
35	Ultrasensitive and Selective Nitrogen Dioxide Sensor Based on Self-Assembled Graphene/Polymer Composite Nanofibers. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 17003-17008.	4.0	153
36	Picomolar detection of mercury (II) using a three-dimensional porous graphene/polypyrrole composite electrode. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 6953-6956.	1.9	23

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37	Nanoporous graphene materials. <i>Materials Today</i> , 2014, 17, 77-85.	8.3	170
38	The edge- and basal-plane-specific electrochemistry of a single-layer graphene sheet. <i>Scientific Reports</i> , 2013, 3, 2248.	1.6	432
39	High-performance NO <sub>2</sub> Sensors Based on Chemically Modified Graphene. <i>Advanced Materials</i> , 2013, 25, 766-771.	11.1	404
40	Graphene-based gas sensors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10078.	5.2	938
41	Strong composite films with layered structures prepared by casting silk fibroin-graphene oxide hydrogels. <i>Nanoscale</i> , 2013, 5, 3780.	2.8	160
42	A high-performance flexible fibre-shaped electrochemical capacitor based on electrochemically reduced graphene oxide. <i>Chemical Communications</i> , 2013, 49, 291-293.	2.2	272
43	Ultrahigh-rate supercapacitors based on electrochemically reduced graphene oxide for ac line-filtering. <i>Scientific Reports</i> , 2012, 2, 247.	1.6	559
44	Electrochemical actuator based on polypyrrole/sulfonated graphene/graphene tri-layer film. <i>Thin Solid Films</i> , 2012, 520, 6307-6312.	0.8	23
45	Strongly green-photoluminescent graphene quantum dots for bioimaging applications. <i>Chemical Communications</i> , 2011, 47, 6858.	2.2	1,458