

# Zengxing Zhang

## List of Publications by Year in descending order

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25  
papers

1,783  
citations

471061

17  
h-index

580395

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

2804  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wrapping Aligned Carbon Nanotube Composite Sheets around Vanadium Nitride Nanowire Arrays for Asymmetric Coaxial Fiber-Shaped Supercapacitors with Ultrahigh Energy Density. <i>Nano Letters</i> , 2017, 17, 2719-2726.	4.5	281
2	Two-dimensional non-volatile programmable p-n junctions. <i>Nature Nanotechnology</i> , 2017, 12, 901-906.	15.6	278
3	Constructing Ultrahigh-Capacity Zinc-Nickel-Cobalt Oxide@Ni(OH) <sub>2</sub> Core-Shell Nanowire Arrays for High-Performance Coaxial Fiber-Shaped Asymmetric Supercapacitors. <i>Nano Letters</i> , 2017, 17, 7552-7560.	4.5	231
4	Stretchable fiber-shaped asymmetric supercapacitors with ultrahigh energy density. <i>Nano Energy</i> , 2017, 39, 219-228.	8.2	200
5	Nonvolatile Floating-Gate Memories Based on Stacked Black Phosphorus-Boron Nitride-MoS <sub>2</sub> Heterostructures. <i>Advanced Functional Materials</i> , 2015, 25, 7360-7365.	7.8	129
6	All-Metal-Organic Framework-Derived Battery Materials on Carbon Nanotube Fibers for Wearable Energy-Storage Device. <i>Advanced Science</i> , 2018, 5, 1801462.	5.6	89
7	Floating-Gate Manipulated Graphene-Black Phosphorus Heterojunction for Nonvolatile Ambipolar Schottky Junction Memories, Memory Inverter Circuits, and Logic Rectifiers. <i>Nano Letters</i> , 2017, 17, 6353-6359.	4.5	87
8	Gate-Controlled BP-WSe <sub>2</sub> Heterojunction Diode for Logic Rectifiers and Logic Optoelectronics. <i>Small</i> , 2017, 13, 1603726.	5.2	86
9	Facile Synthesis of Na-Doped MnO <sub>2</sub> Nanosheets on Carbon Nanotube Fibers for Ultrahigh-Energy-Density All-Solid-State Wearable Asymmetric Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 37233-37241.	4.0	60
10	Tandem gasochromic-Pd-WO <sub>3</sub> /graphene/Si device for room-temperature high-performance optoelectronic hydrogen sensors. <i>Carbon</i> , 2018, 130, 281-287.	5.4	56
11	Ambipolar 2D Semiconductors and Emerging Device Applications. <i>Small Methods</i> , 2021, 5, e2000837.	4.6	39
12	High-Performance X-ray Detector Based on Single-Crystal $\beta$ -Ga <sub>2</sub> O <sub>3</sub> :Mg. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 2879-2886.	4.0	34
13	Recent Advances in Two-Dimensional Heterostructures: From Band Alignment Engineering to Advanced Optoelectronic Applications. <i>Advanced Electronic Materials</i> , 2021, 7, 2001174.	2.6	34
14	Direct Growth of Nanocrystalline Graphene/Graphite Transparent Electrodes on Si/SiO <sub>2</sub> for Metal-Free Schottky Junction Photodetectors. <i>Advanced Functional Materials</i> , 2014, 24, 835-840.	7.8	28
15	Catalyst-free growth of nanocrystalline graphene/graphite patterns from photoresist. <i>Chemical Communications</i> , 2013, 49, 2789.	2.2	24
16	Fully Solar-Powered Uninterrupted Overall Water-Splitting Systems. <i>Advanced Functional Materials</i> , 2019, 29, 1808889.	7.8	24
17	Floating-gate controlled programmable non-volatile black phosphorus PNP junction memory. <i>Nanoscale</i> , 2018, 10, 3148-3152.	2.8	22
18	Loss of integrity of doxorubicin liposomes during transcellular transportation evidenced by fluorescence resonance energy transfer effect. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 224-232.	2.5	14

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19	Controlled Fabrication of Intermolecular Junctions of Single-Walled Carbon Nanotube/Graphene Nanoribbon. <i>Small</i> , 2013, 9, 2405-2409.	5.2	13
20	Direct Growth of Nanographene on Silicon with Thin Oxide Layer for High-Performance Nanographene-Oxide-Silicon Diodes. <i>Advanced Functional Materials</i> , 2014, 24, 7613-7618.	7.8	13
21	Electrically tunable large magnetoresistance in graphene/silicon Schottky junctions. <i>Carbon</i> , 2017, 123, 106-111.	5.4	12
22	Direct growth of nanocrystalline graphene/graphite all carbon transparent electrode for graphene glass and photodetectors. <i>Carbon</i> , 2017, 111, 1-7.	5.4	12
23	Field-effect transistors based on single graphene oxide nanoribbon from longitude-unzipped carbon nanotubes. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	7
24	Insight into the in vivo translocation of oral liposomes by fluorescence resonance energy transfer effect. <i>International Journal of Pharmaceutics</i> , 2020, 587, 119682.	2.6	7
25	Solution-processed anchoring zinc oxide quantum dots on covalently modified graphene oxide. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	3