

Xuanliang Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,353
citations

567144

15
h-index

642610

23
g-index

23
all docs

23
docs citations

23
times ranked

2572
citing authors

#	ARTICLE	IF	CITATIONS
1	The physics and chemistry of graphene-on-surfaces. <i>Chemical Society Reviews</i> , 2017, 46, 4417-4449.	18.7	309
2	A Wearable and Highly Sensitive Graphene Strain Sensor for Precise Home-Based Pulse Wave Monitoring. <i>ACS Sensors</i> , 2017, 2, 967-974.	4.0	260
3	Simultaneous High Sensitivity Sensing of Temperature and Humidity with Graphene Woven Fabrics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30171-30176.	4.0	122
4	Formation of Uniform Water Microdroplets on Wrinkled Graphene for Ultrafast Humidity Sensing. <i>Small</i> , 2018, 14, e1703848.	5.2	109
5	High-Response Room-Temperature NO ₂ Sensor and Ultrafast Humidity Sensor Based on SnO ₂ with Rich Oxygen Vacancy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 13441-13449.	4.0	108
6	Graphene oxide as a water transporter promoting germination of plants in soil. <i>Nano Research</i> , 2018, 11, 1928-1937.	5.8	92
7	Highly Stretchable, Adaptable, and Durable Strain Sensing Based on a Bioinspired Dynamically Cross-Linked Graphene/Polymer Composite. <i>Small</i> , 2019, 15, e1900848.	5.2	58
8	Synthetic Multifunctional Graphene Composites with Reshaping and Self-Healing Features via a Facile Biomimetic Mineralization-Inspired Process. <i>Advanced Materials</i> , 2018, 30, e1803004.	11.1	55
9	One-step synthesis of a hierarchical self-supported WS ₂ film for efficient electrocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22405-22411.	5.2	33
10	Transparent Electrothermal Film Defoggers and Antiicing Coatings based on Wrinkled Graphene. <i>Small</i> , 2020, 16, e1905945.	5.2	33
11	A porous graphene/polydimethylsiloxane composite by chemical foaming for simultaneous tensile and compressive strain sensing. <i>FlatChem</i> , 2018, 10, 1-7.	2.8	29
12	A programmable, gradient-composition strategy producing synergistic and ultrahigh sensitivity amplification for flexible pressure sensing. <i>Nano Energy</i> , 2020, 74, 104847.	8.2	25
13	A non-covalent cation- π interaction-based humidity-driven electric nanogenerator prepared with salt decorated wrinkled graphene. <i>Nano Energy</i> , 2019, 62, 189-196.	8.2	23
14	Hydrophobic ionic liquid-in-polymer composites for ultrafast, linear response and highly sensitive humidity sensing. <i>Nano Research</i> , 2021, 14, 1202-1209.	5.8	23
15	Accurate Monitoring of Small Strain for Timbre Recognition via Ductile Fragmentation of Functionalized Graphene Multilayers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57352-57361.	4.0	18
16	Nanoporous silver using pulsed laser deposition for high-performance oxygen reduction reaction and hydrogen peroxide sensing. <i>Nanoscale</i> , 2020, 12, 19413-19419.	2.8	14
17	A wrinkled graphene and ionic liquid based electric generator for the sea energy harvesting. <i>2D Materials</i> , 2019, 6, 045040.	2.0	9
18	Highly Sensitive, Selective, Flexible and Scalable Room-Temperature NO ₂ Gas Sensor Based on Hollow SnO ₂ /ZnO Nanofibers. <i>Molecules</i> , 2021, 26, 6475.	1.7	9

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19	Cross-Linked Double Network Graphene Oxide/Polymer Composites for Efficient Coagulation-Flocculation. <i>Global Challenges</i> , 2020, 4, 1900051.	1.8	8
20	Long-term electrical conductivity stability of graphene under uncontrolled ambient conditions. <i>Carbon</i> , 2018, 133, 410-415.	5.4	7
21	Multifunctional sensing platform with pulsed-laser-deposited silver nanoporous structures. <i>Sensors and Actuators A: Physical</i> , 2019, 293, 136-144.	2.0	6
22	Patterning of graphene for highly sensitive strain sensing on various curved surfaces. <i>Nano Select</i> , 2021, 2, 121-128.	1.9	2
23	Graphene: Synthetic Multifunctional Graphene Composites with Reshaping and Self-Healing Features via a Facile Biomineralization-Inspired Process (<i>Adv. Mater.</i> 34/2018). <i>Advanced Materials</i> , 2018, 30, 1870253.	11.1	1