Xiaobei Zang

List of Publications by Year
in descending order

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36 papers	2,789 citations	304368 22 h-index	360668 35 g-index
37 all docs	37 docs citations	37 times ranked	5101 citing authors

#	Article	IF	Citations
1	Facile and secure synthesis of porous partially fluorinated graphene employing weakly coordinating anion for enhanced high-performance symmetric supercapacitor. Journal of Materiomics, 2022, 8, 113-122.	2.8	8
2	Intrinsic-trap-regulating growth of clean graphene on high-entropy alloy substrate. Nano Research, 2022, 15, 4717-4723.	5.8	3
3	Effect of Surface Treatment of Stainless Steel Foils in Highâ€Performance Aqueous Zincâ€Ion Battery. Energy Technology, 2022, 10, .	1.8	3
4	High efficiency in overall water-splitting via Co-doping heterointerface-rich NiS2/MoS2 nanosheets electrocatalysts. Electrochimica Acta, 2022, 425, 140674.	2.6	9
5	Enhanced zinc storage performance of mixed valent manganese oxide for flexible coaxial fiber zinc-ion battery by limited reduction control. Journal of Materials Science and Technology, 2021, 74, 52-59.	5.6	13
6	Recent Advances in Stability of Carbonâ€Based Anodes for Potassiumâ€Ion Batteries. Batteries and Supercaps, 2021, 4, 554-570.	2.4	25
7	1T/2H Mixed Phase MoS₂ Nanosheets Integrated by a 3D Nitrogen-Doped Graphene Derivative for Enhanced Electrocatalytic Hydrogen Evolution. ACS Applied Materials & Interfaces, 2020, 12, 55884-55893.	4.0	44
8	Recent advances in fluorine-doped/fluorinated carbon-based materials for supercapacitors. Energy Storage Materials, 2020, 30, 367-384.	9.5	79
9	Enhancing Capacitance Performance of Ti3C2Tx MXene as Electrode Materials of Supercapacitor: From Controlled Preparation to Composite Structure Construction. Nano-Micro Letters, 2020, 12, 77.	14.4	136
10	Functionalized carbon fiber felts with selective superwettability and fire retardancy: Designed for efficient oil/water separation. Separation and Purification Technology, 2020, 251, 117308.	3.9	12
11	Robust superhydrophobic polyurethane sponge functionalized with perfluorinated graphene oxide for efficient immiscible oil/water mixture, stable emulsion separation and crude oil dehydration. Science China Technological Sciences, 2019, 62, 1585-1595.	2.0	28
12	Temperature-resistant and flexible supercapacitors based on 10-inch wafer-scale nanocarbon films. Science China Materials, 2019, 62, 947-954.	3.5	16
13	Oneâ€Step Synthesis of MoS 2 Nanosheet Arrays on 3D Carbon Fiber Felts as a Highly Efficient Catalyst for the Hydrogen Evolution Reaction. Energy Technology, 2019, 7, 1900052.	1.8	8
14	Recent Advances of 2D Nanomaterials in the Electrode Materials of Lithium-Ion Batteries. Nano, 2019, 14, 1930001.	0.5	22
15	Graphene-Based Flexible Energy Storage Devices. , 2018, , 175-199.		6
16	Integration of graphene sensor with electrochromic device on modulus-gradient polymer for instantaneous strain visualization. 2D Materials, 2017, 4, 035020.	2.0	19
17	Flexible, temperature-tolerant supercapacitor based on hybrid carbon film electrodes. Nano Energy, 2017, 40, 224-232.	8.2	121
18	Schottky diode characteristics and 1/f noise of high sensitivity reduced graphene oxide/Si heterojunction photodetector. Journal of Applied Physics, 2016, 119, 124303.	1.1	18

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19	Photo-Promoted Platinum Nanoparticles Decorated MoS₂@Graphene Woven Fabric Catalyst for Efficient Hydrogen Generation. ACS Applied Materials & Interfaces, 2016, 8, 10866-10873.	4.0	72
20	Galvanism of continuous ionic liquid flow over graphene grids. Applied Physics Letters, 2015, 107, .	1.5	32
21	Dynamically stretchable supercapacitors based on graphene woven fabric electrodes. Nano Energy, 2015, 15, 83-91.	8.2	84
22	All carbon coaxial supercapacitors based on hollow carbon nanotube sleeve structure. Nanotechnology, 2015, 26, 045401.	1.3	14
23	Ultra-sensitive graphene strain sensor for sound signal acquisition and recognition. Nano Research, 2015, 8, 1627-1636.	5.8	149
24	Graphene/polyaniline woven fabric composite films as flexible supercapacitor electrodes. Nanoscale, 2015, 7, 7318-7322.	2.8	175
25	Role of hydrogen in the chemical vapor deposition growth of MoS₂ atomic layers. Nanoscale, 2015, 7, 8398-8404.	2.8	62
26	TiO₂ enhanced ultraviolet detection based on a graphene/Si Schottky diode. Journal of Materials Chemistry A, 2015, 3, 8133-8138.	5.2	46
27	Photo-induced selective gas detection based on reduced graphene oxide/Si Schottky diode. Carbon, 2015, 84, 138-145.	5.4	53
28	Evaluation of layer-by-layer graphene structures as supercapacitor electrode materials. Journal of Applied Physics, 2014, 115, 024305.	1.1	28
29	Vertical junction photodetectors based on reduced graphene oxide/silicon Schottky diodes. Nanoscale, 2014, 6, 4909-4914.	2.8	104
30	Wearable and Highly Sensitive Graphene Strain Sensors for Human Motion Monitoring. Advanced Functional Materials, 2014, 24, 4666-4670.	7.8	923
31	Hybrid Heterojunction and Solidâ€State Photoelectrochemical Solar Cells. Advanced Energy Materials, 2014, 4, 1400224.	10.2	43
32	Amorphous Nitrogen Doped Carbon Films: A Novel Corrosion Resistant Coating Material. Advanced Engineering Materials, 2014, 16, 532-538.	1.6	13
33	Effect of different gel electrolytes on graphene-based solid-state supercapacitors. RSC Advances, 2014, 4, 36253-36256.	1.7	163
34	Three-dimensional porous graphene sponges assembled with the combination of surfactant and freeze-drying. Nano Research, 2014, 7, 1477-1487.	5.8	111
35	Highly Flexible and Adaptable, Allâ€Solidâ€State Supercapacitors Based on Graphene Wovenâ€Fabric Film Electrodes. Small, 2014, 10, 2583-2588.	5.2	85
36	Largeâ€Area Flexible Coreâ€“Shell Graphene/Porous Carbon Woven Fabric Films for Fiber Supercapacitor Electrodes. Advanced Functional Materials, 2013, 23, 4862-4869.	7.8	62