

Shibin Sun

List of Publications by Year in descending order

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35
papers

1,253
citations

361413

20
h-index

395702

33
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all docs

35
docs citations

35
times ranked

1575
citing authors

#	ARTICLE	IF	CITATIONS
1	W18O49/Ti3C2Tx Mxene nanocomposites for highly sensitive acetone gas sensor with low detection limit. <i>Sensors and Actuators B: Chemical</i> , 2020, 304, 127274.	7.8	195
2	MnO ₂ /g-C ₃ N ₄ nanocomposite with highly enhanced supercapacitor performance. <i>Nanotechnology</i> , 2017, 28, 135705.	2.6	93
3	Marine Bacteria Provide Lasting Anticorrosion Activity for Steel via Biofilm-Induced Mineralization. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40317-40327.	8.0	87
4	Bundled tungsten oxide nanowires under thermal processing. <i>Nanotechnology</i> , 2008, 19, 305709.	2.6	69
5	A bifunctional melamine sponge decorated with silver-reduced graphene oxide nanocomposite for oil-water separation and antibacterial applications. <i>Applied Surface Science</i> , 2019, 473, 1049-1061.	6.1	67
6	A wearable, waterproof, and highly sensitive strain sensor based on three-dimensional graphene/carbon black/Ni sponge for wirelessly monitoring human motions. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2074-2085.	5.5	67
7	Fabrication of calcium carbonate coated-stainless steel mesh for efficient oil-water separation via bacterially induced biomineralization technique. <i>Chemical Engineering Journal</i> , 2021, 405, 126597.	12.7	51
8	A wearable strain sensor based on the ZnO/graphene nanoplatelets nanocomposite with large linear working range. <i>Journal of Materials Science</i> , 2019, 54, 7048-7061.	3.7	46
9	Highly sensitive acetone sensor based on WO ₃ nanosheets derived from WS ₂ nanoparticles with inorganic fullerene-like structures. <i>Sensors and Actuators B: Chemical</i> , 2021, 343, 130135.	7.8	46
10	Solvothermal synthesis of Ce-doped tungsten oxide nanostructures as visible-light-driven photocatalysts. <i>Nanotechnology</i> , 2011, 22, 265603.	2.6	43
11	ZnO nanorods/carbon black-based flexible strain sensor for detecting human motions. <i>Journal of Alloys and Compounds</i> , 2018, 738, 111-117.	5.5	41
12	Low-Temperature Wearable Strain Sensor Based on a Silver Nanowires/Graphene Composite with a Near-Zero Temperature Coefficient of Resistance. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 55307-55318.	8.0	41
13	Humidity-Tolerant Chemiresistive Gas Sensors Based on Hydrophobic CeO ₂ /SnO ₂ Heterostructure Films. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 25680-25692.	8.0	41
14	A novel composite photocatalyst based on in situ growth of ultrathin tungsten oxide nanowires on graphene oxide sheets. <i>RSC Advances</i> , 2013, 3, 15005.	3.6	39
15	Tungsten oxide nanowires grown on graphene oxide sheets as high-performance electrochromic material. <i>Electrochimica Acta</i> , 2014, 129, 40-46.	5.2	38
16	MnO ₂ /g-C ₃ N ₄ @PPy nanocomposite for high-performance supercapacitor. <i>Materials Letters</i> , 2019, 236, 558-561.	2.6	38
17	Efficient synthesis of silver-reduced graphene oxide composites with prolonged antibacterial effects. <i>Ceramics International</i> , 2016, 42, 9769-9778.	4.8	34
18	Metal-organic framework-derived porous SnO ₂ nanosheets with grain sizes comparable to Debye length for formaldehyde detection with high response and low detection limit. <i>Sensors and Actuators B: Chemical</i> , 2021, 347, 130599.	7.8	30

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19	Superhydrophobic micro-nano structured PTFE/WO ₃ coating on low-temperature steel with outstanding anti-pollution, anti-icing, and anti-fouling performance. <i>Surface and Coatings Technology</i> , 2022, 434, 128214.	4.8	28
20	Graphene-tungsten oxide nanocomposites with highly enhanced gas-sensing performance. <i>Journal of Alloys and Compounds</i> , 2017, 705, 659-667.	5.5	24
21	Insight into the Impact of Conducting Polyaniline/Graphene Nanosheets on Corrosion Mechanism of Zinc-Rich Epoxy Primers on Low Alloy DH32 Steel in Artificial Sea Water. <i>Journal of the Electrochemical Society</i> , 2018, 165, C878-C889.	2.9	23
22	Rare-earth-doped tungsten oxide microspheres with highly enhanced photocatalytic activities. <i>Ceramics International</i> , 2017, 43, 10263-10269.	4.8	18
23	2D/2D Graphene Nanoplatelet-Tungsten Trioxide Hydrate Nanocomposites for Sensing Acetone. <i>ACS Applied Nano Materials</i> , 2019, 2, 1313-1324.	5.0	17
24	Efficient synthesis of tungsten oxide hydrate-based nanocomposites for applications in bifunctional electrochromic-energy storage devices. <i>Nanotechnology</i> , 2018, 29, 185707.	2.6	15
25	Flexible electrochromic device based on WO ₃ -H ₂ O nanoflakes synthesized by a facile sonochemical method. <i>Materials Letters</i> , 2016, 185, 319-322.	2.6	14
26	Maskless Formation of Conductive Carbon Layer on Leather for Highly Sensitive Flexible Strain Sensors. <i>Advanced Electronic Materials</i> , 2020, 6, 2000549.	5.1	14
27	Large-scale production of tungsten trioxide nanoparticles for electrochromic application. <i>RSC Advances</i> , 2014, 4, 8994.	3.6	10
28	Adsorption and photocatalytic study of dye degradation over the g-C ₃ N ₄ /W ₁₈ O ₄₉ nanocomposite. <i>Micro and Nano Letters</i> , 2018, 13, 541-545.	1.3	7
29	Layered tungsten-based composites and their pseudocapacitive and electrocatalytic performance. <i>Materials Chemistry Frontiers</i> , 2022, 6, 737-747.	5.9	7
30	Alumina nanoparticles-reinforced graphene-containing waterborne polyurethane coating for enhancing corrosion and wear resistance. <i>Corrosion Communications</i> , 2022, , .	6.0	5
31	A general strategy for the synthesis of reduced graphene oxide-based composites. <i>Ceramics International</i> , 2015, 41, 7661-7668.	4.8	3
32	Ag-W ₁₈ O ₄₉ -GO Nanocomposite as Highly Effective Antibacterial Agent with Capturing-Killing Mechanism. <i>Nano</i> , 2017, 12, 1750143.	1.0	1
33	Effect of Freezing-Corrosion Treatment on Wear Resistance of Laser-Cladded Cobalt-Based Coatings on EH32 Steel. <i>Tribology Transactions</i> , 2022, 65, 122-136.	2.0	1
34	PHASE COMPOSITION, MICROSTRUCTURE, AND TRIBOLOGICAL PROPERTY OF PLASMA-SPRAYED TiC-BASED COATING. <i>Surface Review and Letters</i> , 2008, 15, 815-819.	1.1	0
35	An Improved Dictionary-Based Method for Gas Identification with Electronic Nose. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6650.	2.5	0