

Xuemei Li

List of Publications by Year in descending order

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31
papers

3,116
citations

361413

20
h-index

454955

30
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docs citations

31
times ranked

4300
citing authors

#	ARTICLE	IF	CITATIONS
1	Chirality-specific growth of single-walled carbon nanotubes on solid alloy catalysts. <i>Nature</i> , 2014, 510, 522-524.	27.8	677
2	Generating electricity by moving a droplet of ionic liquid along graphene. <i>Nature Nanotechnology</i> , 2014, 9, 378-383.	31.5	488
3	Emerging hydrovoltaic technology. <i>Nature Nanotechnology</i> , 2018, 13, 1109-1119.	31.5	429
4	Waving potential in graphene. <i>Nature Communications</i> , 2014, 5, 3582.	12.8	246
5	Ultralight Three-Dimensional Boron Nitride Foam with Ultralow Permittivity and Superelasticity. <i>Nano Letters</i> , 2013, 13, 3232-3236.	9.1	190
6	Boron Nitride Nanostructures: Fabrication, Functionalization and Applications. <i>Small</i> , 2016, 12, 2942-2968.	10.0	187
7	Harvesting Energy from Water Flow over Graphene?. <i>Nano Letters</i> , 2012, 12, 1736-1741.	9.1	132
8	Probing van der Waals interactions at two-dimensional heterointerfaces. <i>Nature Nanotechnology</i> , 2019, 14, 567-572.	31.5	99
9	Large area hexagonal boron nitride monolayer as efficient atomically thick insulating coating against friction and oxidation. <i>Nanotechnology</i> , 2014, 25, 105701.	2.6	96
10	Large Single-Crystal Hexagonal Boron Nitride Monolayer Domains with Controlled Morphology and Straight Merging Boundaries. <i>Small</i> , 2015, 11, 4497-4502.	10.0	68
11	Exceptional high Seebeck coefficient and gas-flow-induced voltage in multilayer graphene. <i>Applied Physics Letters</i> , 2012, 100, 183108.	3.3	60
12	High Crystalline Prussian White Nanocubes as a Promising Cathode for Sodium-ion Batteries. <i>Chemistry - an Asian Journal</i> , 2018, 13, 342-349.	3.3	57
13	Aligned Growth of Hexagonal Boron Nitride Monolayer on Germanium. <i>Small</i> , 2015, 11, 5375-5380.	10.0	56
14	Wettability of Supported Monolayer Hexagonal Boron Nitride in Air. <i>Advanced Functional Materials</i> , 2017, 27, 1603181.	14.9	54
15	Hydroelectric generator from transparent flexible zinc oxide nanofilms. <i>Nano Energy</i> , 2017, 32, 125-129.	16.0	40
16	Direct growth of nitrogen-doped graphene films on glass by plasma-assisted hot filament CVD for enhanced electricity generation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12038-12049.	10.3	36
17	Performance and power management of droplets-based electricity generators. <i>Nano Energy</i> , 2022, 92, 106705.	16.0	36
18	Evolution of Structural and Electrical Properties of Carbon Films from Amorphous Carbon to Nanocrystalline Graphene on Quartz Glass by HFCVD. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17427-17436.	8.0	35

#	ARTICLE	IF	CITATIONS
19	Hexagonal Boron Nitride Growth on Cu-Si Alloy: Morphologies and Large Domains. <i>Small</i> , 2019, 15, e1805188.	10.0	24
20	Enhanced gas-flow-induced voltage in graphene. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	21
21	Coating performance of hexagonal boron nitride and graphene layers. <i>2D Materials</i> , 2021, 8, 034002.	4.4	14
22	Kinetic photovoltage along semiconductor-water interfaces. <i>Nature Communications</i> , 2021, 12, 4998.	12.8	14
23	Metal-Free Synthesis of Boron-Doped Graphene Glass by Hot-Filament Chemical Vapor Deposition for Wave Energy Harvesting. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2805-2815.	8.0	13
24	Boosting the output of bottom-electrode droplets energy harvester by a branched electrode. <i>Nano Energy</i> , 2022, 95, 107024.	16.0	13
25	Oxygen-suppressed selective growth of monolayer hexagonal boron nitride on copper twin crystals. <i>Nano Research</i> , 2017, 10, 826-833.	10.4	12
26	Direct Synthesizing In-Plane Heterostructures of Graphene and Hexagonal Boron Nitride in Designed Pattern. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800208.	3.7	10
27	Aligned Ni nanowires towards highly stretchable electrode. <i>Science China Technological Sciences</i> , 2020, 63, 2131-2136.	4.0	3
28	Portable and flexible water-evaporation-generator based on hydrogel. <i>Science China Materials</i> , 2022, 65, 2889-2893.	6.3	3
29	Effect of deposition pressure on the properties of amorphous carbon films by hot-filament chemical vapor deposition. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 10145-10151.	2.2	2
30	Dependence of plasma power for direct synthesis of nitrogen-doped graphene films on glass by plasma-assisted hot filament chemical vapor deposition. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 18811-18817.	2.2	1
31	Wetting Stability of Supported Graphene in Ambient Environment. <i>Advanced Engineering Materials</i> , 0, , 2101283.	3.5	0