

Jun Yin

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

4,072
citations

218677

26
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361022

35
g-index

38
all docs

38
docs citations

38
times ranked

4841
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance and power management of droplets-based electricity generators. <i>Nano Energy</i> , 2022, 92, 106705.	16.0	36
2	Boosting the output of bottom-electrode droplets energy harvester by a branched electrode. <i>Nano Energy</i> , 2022, 95, 107024.	16.0	13
3	Hydrovoltaic technology: from mechanism to applications. <i>Chemical Society Reviews</i> , 2022, 51, 4902-4927.	38.1	110
4	Anisotropic Mechanics of 2D Materials. <i>Advanced Engineering Materials</i> , 2022, 24, .	3.5	8
5	Self-sustained electricity generator driven by the compatible integration of ambient moisture adsorption and evaporation. <i>Nature Communications</i> , 2022, 13, .	12.8	81
6	Dynamics for droplet-based electricity generators. <i>Nano Energy</i> , 2021, 80, 105558.	16.0	59
7	Polycrystalline Few-Layer Graphene as a Durable Anticorrosion Film for Copper. <i>Nano Letters</i> , 2021, 21, 1161-1168.	9.1	39
8	Kinetic photovoltage along semiconductor-water interfaces. <i>Nature Communications</i> , 2021, 12, 4998.	12.8	14
9	In situ manipulation of van der Waals heterostructures for twistrionics. <i>Science Advances</i> , 2020, 6, .	10.3	69
10	Hydrovoltaic Energy on the Way. <i>Joule</i> , 2020, 4, 1852-1855.	24.0	126
11	Biomechanics in plant resistance to drought. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2020, 36, 1142-1157.	3.4	2
12	Hydrostatic pressure and interfacial tension induce mode instability in wave propagation along a liquid-filled microtubule. <i>Physics of Fluids</i> , 2020, 32, 031901.	4.0	2
13	Hexagonal Boron Nitride Growth on Cu ϵ Si Alloy: Morphologies and Large Domains. <i>Small</i> , 2019, 15, e1805188.	10.0	24
14	Probing van der Waals interactions at two-dimensional heterointerfaces. <i>Nature Nanotechnology</i> , 2019, 14, 567-572.	31.5	99
15	Dimensional reduction, quantum Hall effect and layer parity in graphite films. <i>Nature Physics</i> , 2019, 15, 437-442.	16.7	39
16	Emerging hydrovoltaic technology. <i>Nature Nanotechnology</i> , 2018, 13, 1109-1119.	31.5	429
17	Ultrathin Molybdenum Dioxide Nanosheets as Uniform and Reusable Surface-enhanced Raman Spectroscopy Substrates with High Sensitivity. <i>Small</i> , 2018, 14, e1802276.	10.0	80
18	Oxygen-suppressed selective growth of monolayer hexagonal boron nitride on copper twin crystals. <i>Nano Research</i> , 2017, 10, 826-833.	10.4	12

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19	Water-evaporation-induced electricity with nanostructured carbon materials. <i>Nature Nanotechnology</i> , 2017, 12, 317-321.	31.5	747
20	Hydroelectric generator from transparent flexible zinc oxide nanofilms. <i>Nano Energy</i> , 2017, 32, 125-129.	16.0	40
21	Low-Temperature Ohmic Contact to Monolayer MoS ₂ by van der Waals Bonded Co ₂ h ₂ i-BN Electrodes. <i>Nano Letters</i> , 2017, 17, 4781-4786.	9.1	233
22	Two-Dimensional Boron Crystals: Structural Stability, Tunable Properties, Fabrications and Applications. <i>Advanced Functional Materials</i> , 2017, 27, 1603300.	14.9	130
23	Wettability of Supported Monolayer Hexagonal Boron Nitride in Air. <i>Advanced Functional Materials</i> , 2017, 27, 1603181.	14.9	54
24	Growth of Polar Hexagonal Boron Nitride Monolayer on Nonpolar Copper with Unique Orientation. <i>Small</i> , 2016, 12, 3645-3650.	10.0	62
25	Boron Nitride Nanostructures: Fabrication, Functionalization and Applications. <i>Small</i> , 2016, 12, 2942-2968.	10.0	187
26	Tunable Electrical Performance of Few-Layered Black Phosphorus by Strain. <i>Small</i> , 2016, 12, 5276-5280.	10.0	19
27	Substrate-Sensitive Graphene Oxidation. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 867-873.	4.6	26
28	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
29	Aligned Growth of Hexagonal Boron Nitride Monolayer on Germanium. <i>Small</i> , 2015, 11, 5375-5380.	10.0	56
30	Generating electricity by moving a droplet of ionic liquid along graphene. <i>Nature Nanotechnology</i> , 2014, 9, 378-383.	31.5	488
31	Waving potential in graphene. <i>Nature Communications</i> , 2014, 5, 3582.	12.8	246
32	Friction of low-dimensional nanomaterial systems. <i>Friction</i> , 2014, 2, 209-225.	6.4	70
33	Ultralight Three-Dimensional Boron Nitride Foam with Ultralow Permittivity and Superelasticity. <i>Nano Letters</i> , 2013, 13, 3232-3236.	9.1	190
34	Harvesting Energy from Water Flow over Graphene?. <i>Nano Letters</i> , 2012, 12, 1736-1741.	9.1	132
35	Exceptional high Seebeck coefficient and gas-flow-induced voltage in multilayer graphene. <i>Applied Physics Letters</i> , 2012, 100, 183108.	3.3	60
36	Enhanced gas-flow-induced voltage in graphene. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	21

#	ARTICLE	IF	CITATIONS
37	Buckling Behaviors at the Interface of Liquid-Solid Systems. <i>Advanced Engineering Materials</i> , 0, , 2101153.	3.5	1
38	Wetting Stability of Supported Graphene in Ambient Environment. <i>Advanced Engineering Materials</i> , 0, , 2101283.	3.5	0