Yaxin Huang

List of Publications by Year
in descending order

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35 papers	4,110 citations	172386 29 h-index	395590 33 g-index
35 all docs	35 docs citations	35 times ranked	2748 citing authors

#	Article	IF	Citations
1	Sunlightâ€Coordinated Highâ€Performance Moisture Power in Natural Conditions. Advanced Materials, 2022, 34, e2103897.	11.1	54
2	Recent advances in highly integrated energy conversion and storage system. SusMat, 2022, 2, 142-160.	7.8	44
3	Moisture adsorption-desorption full cycle power generation. Nature Communications, 2022, 13, 2524.	5.8	67
4	Vapor and heat dual-drive sustainable power for portable electronics in ambient environments. Energy and Environmental Science, 2022, 15, 3086-3096.	15.6	21
5	Janus-interface engineering boosting solar steam towards high-efficiency water collection. Energy and Environmental Science, 2021, 14, 5330-5338.	15.6	122
6	Emerging Materials for Water-Enabled Electricity Generation. , 2021, 3, 193-209.		78
7	Graphene Oxide Assemblies for Sustainable Clean-Water Harvesting and Green-Electricity Generation. Accounts of Materials Research, 2021, 2, 97-107.	5.9	38
8	Bilayer of polyelectrolyte films for spontaneous power generation in air up to an integrated 1,000â€‰V output. Nature Nanotechnology, 2021, 16, 811-819.	15.6	193
9	High-performance flexible and integratable MEG devices from sulfonated carbon solid acids containing strong BrÃ¸nsted acid sites. Journal of Materials Chemistry A, 2021, 9, 24488-24494.	5.2	8
10	Transparent, self-healing, arbitrary tailorable moist-electric film generator. Nano Energy, 2020, 67, 104238.	8.2	68
11	Highly Efficient Clean Water Production from Contaminated Air with a Wide Humidity Range. Advanced Materials, 2020, 32, e1905875.	11.1	123
12	Interface-enhanced distillation beyond tradition based on well-arranged graphene membrane. Science China Materials, 2020, 63, 1948-1956.	3.5	10
13	Twoâ€dimensional materials of groupâ€IVA boosting the development of energy storage and conversion. , 2020, 2, 54-71.		73
14	Moist-electric generation. Nanoscale, 2019, 11, 23083-23091.	2.8	82
15	MEG actualized by high-valent metal carrier transport. Nano Energy, 2019, 65, 104047.	8.2	40
16	All-region-applicable, continuous power supply of graphene oxide composite. Energy and Environmental Science, 2019, 12, 1848-1856.	15.6	150
17	Power generation from graphene-water interactions. FlatChem, 2019, 14, 100090.	2.8	38
18	An efficient polymer moist-electric generator. Energy and Environmental Science, 2019, 12, 972-978.	15.6	189

#	Article	IF	Citations
19	Rollable, Stretchable, and Reconfigurable Graphene Hygroelectric Generators. Advanced Materials, 2019, 31, e1805705.	11.1	117
20	Hygroelectric Generators: Rollable, Stretchable, and Reconfigurable Graphene Hygroelectric Generators (Adv. Mater. 2/2019). Advanced Materials, 2019, 31, 1970013.	11.1	3
21	Direct solar steam generation system for clean water production. Energy Storage Materials, 2019, 18, 429-446.	9.5	234
22	Electric Power Generation through the Direct Interaction of Pristine Grapheneâ€Oxide with Water Molecules. Small, 2018, 14, e1704473.	5.2	138
23	Electric power generation via asymmetric moisturizing of graphene oxide for flexible, printable and portable electronics. Energy and Environmental Science, 2018, 11, 1730-1735.	15.6	203
24	Flexible in-plane graphene oxide moisture-electric converter for touchless interactive panel. Nano Energy, 2018, 45, 37-43.	8.2	96
25	Graphene Platforms for Smart Energy Generation and Storage. Joule, 2018, 2, 245-268.	11.7	168
26	Interface-mediated hygroelectric generator with an output voltage approaching 1.5 volts. Nature Communications, 2018, 9, 4166.	5.8	208
27	Spontaneous power source in ambient air of a well-directionally reduced graphene oxide bulk. Energy and Environmental Science, 2018, 11, 2839-2845.	15.6	144
28	Three-dimensional water evaporation on a macroporous vertically aligned graphene pillar array under one sun. Journal of Materials Chemistry A, 2018, 6, 15303-15309.	5.2	146
29	Self-powered wearable graphene fiber for information expression. Nano Energy, 2017, 32, 329-335.	8.2	148
30	Highly Efficient Moisture-Triggered Nanogenerator Based on Graphene Quantum Dots. ACS Applied Materials & Interfaces, 2017, 9, 38170-38175.	4.0	96
31	Selfâ€Healing Graphene Oxide Based Functional Architectures Triggered by Moisture. Advanced Functional Materials, 2017, 27, 1703096.	7.8	94
32	Graphene-Based Functional Architectures: Sheets Regulation and Macrostructure Construction toward Actuators and Power Generators. Accounts of Chemical Research, 2017, 50, 1663-1671.	7.6	92
33	Graphene Oxide Nanoribbon Assembly toward Moistureâ€Powered Information Storage. Advanced Materials, 2017, 29, 1604972.	11.1	118
34	Highly efficient moisture-enabled electricity generation from graphene oxide frameworks. Energy and Environmental Science, 2016, 9, 912-916.	15.6	289
35	Direct Power Generation from a Graphene Oxide Film under Moisture. Advanced Materials, 2015, 27, 4351-4357.	11.1	418