

Amy Gong

List of Publications by Year in descending order

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17
papers

5,553
citations

516561

16
h-index

940416

16
g-index

17
all docs

17
docs citations

17
times ranked

6104
citing authors

#	ARTICLE	IF	CITATIONS
1	Processing bulk natural wood into a high-performance structural material. <i>Nature</i> , 2018, 554, 224-228.	13.7	970
2	Flexible, solid-state, ion-conducting membrane with 3D garnet nanofiber networks for lithium batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7094-7099.	3.3	769
3	Highly Flexible and Efficient Solar Steam Generation Device. <i>Advanced Materials</i> , 2017, 29, 1701756.	11.1	584
4	Highly Anisotropic, Highly Transparent Wood Composites. <i>Advanced Materials</i> , 2016, 28, 5181-5187.	11.1	518
5	Tree-Inspired Design for High-Efficiency Water Extraction. <i>Advanced Materials</i> , 2017, 29, 1704107.	11.1	494
6	Nature-inspired salt resistant bimodal porous solar evaporator for efficient and stable water desalination. <i>Energy and Environmental Science</i> , 2019, 12, 1558-1567.	15.6	482
7	Highly Compressible, Anisotropic Aerogel with Aligned Cellulose Nanofibers. <i>ACS Nano</i> , 2018, 12, 140-147.	7.3	364
8	Wood-Based Nanotechnologies toward Sustainability. <i>Advanced Materials</i> , 2018, 30, 1703453.	11.1	359
9	Anisotropic, lightweight, strong, and super thermally insulating nanowood with naturally aligned nanocellulose. <i>Science Advances</i> , 2018, 4, eaar3724.	4.7	336
10	High-Performance Solar Steam Device with Layered Channels: Artificial Tree with a Reversed Design. <i>Advanced Energy Materials</i> , 2018, 8, 1701616.	10.2	255
11	Hierarchically Porous, Ultrathick, "Breathable" Wood-Derived Cathode for Lithium-Oxygen Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1701203.	10.2	161
12	Superflexible Wood. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23520-23527.	4.0	141
13	Holey three-dimensional wood-based electrode for vanadium flow batteries. <i>Energy Storage Materials</i> , 2020, 27, 327-332.	9.5	49
14	A solid state energy storage device with supercapacitor-battery hybrid design. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15266-15272.	5.2	31
15	Strong and Superhydrophobic Wood with Aligned Cellulose Nanofibers as a Waterproof Structural Material. <i>Chinese Journal of Chemistry</i> , 2020, 38, 823-829.	2.6	21
16	A conductive wood membrane anode improves effluent quality of microbial fuel cells. <i>Environmental Science: Water Research and Technology</i> , 2017, 3, 940-946.	1.2	19
17	Wood for Photonics, Batteries and Structural Materials. <i>ECS Meeting Abstracts</i> , 2016, , .	0.0	0