

# Emily Hitz

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39  
papers

5,947  
citations

34  
h-index

39  
g-index

39  
ext. papers

7,261  
ext. citations

17.4  
avg, IF

5.82  
L-index

#	Paper	IF	Citations
39	Reversible Short-Circuit Behaviors in Garnet-Based Solid-State Batteries. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2000702	21.8	31
38	Strong and Superhydrophobic Wood with Aligned Cellulose Nanofibers as a Waterproof Structural Material <i>Chinese Journal of Chemistry</i> , <b>2020</b> , 38, 823-829	4.9	9
37	High-Performance, Scalable Wood-Based Filtration Device with a Reversed-Tree Design. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 1887-1895	9.6	29
36	An Energy-Efficient, Wood-Derived Structural Material Enabled by Pore Structure Engineering towards Building Efficiency. <i>Small Methods</i> , <b>2020</b> , 4, 1900747	12.8	28
35	Scalable aesthetic transparent wood for energy efficient buildings. <i>Nature Communications</i> , <b>2020</b> , 11, 3836	17.4	71
34	Nature-inspired salt resistant bimodal porous solar evaporator for efficient and stable water desalination. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 1558-1567	35.4	269
33	A nanofluidic ion regulation membrane with aligned cellulose nanofibers. <i>Science Advances</i> , <b>2019</b> , 5, eaau4238	43.8	81
32	Transparent, Anisotropic Biofilm with Aligned Bacterial Cellulose Nanofibers. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1707491	15.6	96
31	Scalable and Highly Efficient Mesoporous Wood-Based Solar Steam Generation Device: Localized Heat, Rapid Water Transport. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1707134	15.6	254
30	Flexible, Scalable, and Highly Conductive Garnet-Polymer Solid Electrolyte Templated by Bacterial Cellulose. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1703474	21.8	117
29	Plasmonic Wood for High-Efficiency Solar Steam Generation. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1701028	21.8	472
28	Isotropic Paper Directly from Anisotropic Wood: Top-Down Green Transparent Substrate Toward Biodegradable Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 28566-28571	9.5	49
27	High-Temperature Atomic Mixing toward Well-Dispersed Bimetallic Electrocatalysts. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1800466	21.8	24
26	From Wood to Textiles: Top-Down Assembly of Aligned Cellulose Nanofibers. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801347	24	75
25	Lightweight, Mesoporous, and Highly Absorptive All-Nanofiber Aerogel for Efficient Solar Steam Generation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 1104-1112	9.5	227
24	Wood-Based Nanotechnologies toward Sustainability. <i>Advanced Materials</i> , <b>2018</b> , 30, 1703453	24	229
23	High-Performance Solar Steam Device with Layered Channels: Artificial Tree with a Reversed Design. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1701616	21.8	174

22	Epitaxial Welding of Carbon Nanotube Networks for Aqueous Battery Current Collectors. <i>ACS Nano</i> , <b>2018</b> , 12, 5266-5273	16.7	36
21	A carbon-based 3D current collector with surface protection for Li metal anode. <i>Nano Research</i> , <b>2017</b> , 10, 1356-1365	10	139
20	Garnet/polymer hybrid ion-conducting protective layer for stable lithium metal anode. <i>Nano Research</i> , <b>2017</b> , 10, 4256-4265	10	61
19	Encapsulation of Metallic Na in an Electrically Conductive Host with Porous Channels as a Highly Stable Na Metal Anode. <i>Nano Letters</i> , <b>2017</b> , 17, 3792-3797	11.5	191
18	3D-Printed, All-in-One Evaporator for High-Efficiency Solar Steam Generation under 1 Sun Illumination. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700981	24	387
17	Solution Processed Boron Nitride Nanosheets: Synthesis, Assemblies and Emerging Applications. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1701450	15.6	109
16	Highly Flexible and Efficient Solar Steam Generation Device. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701756	24	424
15	Conformal, Nanoscale ZnO Surface Modification of Garnet-Based Solid-State Electrolyte for Lithium Metal Anodes. <i>Nano Letters</i> , <b>2017</b> , 17, 565-571	11.5	416
14	Highly Anisotropic Conductors. <i>Advanced Materials</i> , <b>2017</b> , 29, 1703331	24	57
13	Super-Strong, Super-Stiff Macrofibers with Aligned, Long Bacterial Cellulose Nanofibers. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702498	24	127
12	Protected Lithium-Metal Anodes in Batteries: From Liquid to Solid. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701169	24	452
11	Ultrafine Silver Nanoparticles for Seeded Lithium Deposition toward Stable Lithium Metal Anode. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702714	24	374
10	Superflexible Wood. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 23520-23527	9.5	88
9	High temperature thermal management with boron nitride nanosheets. <i>Nanoscale</i> , <b>2017</b> , 10, 167-173	7.7	35
8	A Solution-Processed High-Temperature, Flexible, Thin-Film Actuator. <i>Advanced Materials</i> , <b>2016</b> , 28, 8618-8624	12.4	42
7	Carbonized-leaf Membrane with Anisotropic Surfaces for Sodium-ion Battery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 2204-10	9.5	124
6	Ultra-Thick, Low-Tortuosity, and Mesoporous Wood Carbon Anode for High-Performance Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600377	21.8	205
5	All-Component Transient Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1502496	21.8	37

4	Light management in plastic/Paper hybrid substrate towards high-performance optoelectronics. <i>Energy and Environmental Science</i> , <b>2016</b> , 9, 2278-2285	35.4	85
3	Reduced Graphene Oxide Films with Ultrahigh Conductivity as Li-Ion Battery Current Collectors. <i>Nano Letters</i> , <b>2016</b> , 16, 3616-23	11.5	146
2	Three-Dimensional Printable High-Temperature and High-Rate Heaters. <i>ACS Nano</i> , <b>2016</b> , 10, 5272-9	16.7	137
1	Electrochemical Intercalation of Lithium Ions into NbSe <sub>2</sub> Nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 11390-5	9.5	40