

Lili Cai

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.

22
papers

3,348
citations

17
h-index

24
g-index

24
ext. papers

4,084
ext. citations

15.2
avg, IF

5.1
L-index

#	Paper	IF	Citations
22	Three-Dimensional Printable Nanoporous Polymer Matrix Composites for Daytime Radiative Cooling. <i>Nano Letters</i> , 2021 , 21, 1493-1499	11.5	34
21	Synergistic enhancement of electrocatalytic CO reduction to C oxygenates at nitrogen-doped nanodiamonds/Cu interface. <i>Nature Nanotechnology</i> , 2020 , 15, 131-137	28.7	92
20	Ultrahigh Doping of Graphene Using Flame-Deposited MoO ₃ . <i>IEEE Electron Device Letters</i> , 2020 , 41, 1592-1595	14.1	7
19	Temperature Regulation in Colored Infrared-Transparent Polyethylene Textiles. <i>Joule</i> , 2019 , 3, 1478-1486	27.8	91
18	Nanoporous polyethylene microfibrils for large-scale radiative cooling fabric. <i>Nature Sustainability</i> , 2018 , 1, 105-112	22.1	206
17	Spectrally Selective Nanocomposite Textile for Outdoor Personal Cooling. <i>Advanced Materials</i> , 2018 , 30, e1802152	24	181
16	Epitaxial growth of WO ₃ nanoneedles achieved using a facile flame surface treatment process engineering of hole transport and water oxidation reactivity. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 19542-19546	13	16
15	Thermal Management in Nanofiber-Based Face Mask. <i>Nano Letters</i> , 2017 , 17, 3506-3510	11.5	158
14	Rapid Flame Synthesis of Atomically Thin MoO down to Monolayer Thickness for Effective Hole Doping of WSe. <i>Nano Letters</i> , 2017 , 17, 3854-3861	11.5	84
13	Ultrafast Flame Annealing of TiO ₂ Paste for Fabricating Dye-Sensitized and Perovskite Solar Cells with Enhanced Efficiency. <i>Small</i> , 2017 , 13, 1702260	11	13
12	Warming up human body by nanoporous metallized polyethylene textile. <i>Nature Communications</i> , 2017 , 8, 496	17.4	162
11	Stabilizing Silicon Photocathodes by Solution-Deposited NiFe Layered Double Hydroxide for Efficient Hydrogen Evolution in Alkaline Media. <i>ACS Energy Letters</i> , 2017 , 2, 1939-1946	20.1	50
10	A dual-mode textile for human body radiative heating and cooling. <i>Science Advances</i> , 2017 , 3, e1700895	14.3	222
9	One-Step Hydrothermal Deposition of Ni:FeOOH onto Photoanodes for Enhanced Water Oxidation. <i>ACS Energy Letters</i> , 2016 , 1, 624-632	20.1	84
8	Rapid Synthesis of Thin and Long Mo ₁₇ O ₄₇ Nanowire-Arrays in an Oxygen Deficient Flame. <i>Scientific Reports</i> , 2016 , 6, 27832	4.9	9
7	Activating and optimizing MoS ₂ basal planes for hydrogen evolution through the formation of strained sulphur vacancies. <i>Nature Materials</i> , 2016 , 15, 48-53	27	1563
6	High-Performance Ultrathin BiVO ₄ Photoanode on Textured Polydimethylsiloxane Substrates for Solar Water Splitting. <i>ACS Energy Letters</i> , 2016 , 1, 68-75	20.1	55

5	Highly Efficient Solar Water Splitting from Transferred TiO ₂ Nanotube Arrays. <i>Nano Letters</i> , 2015 , 15, 5709-15	11.5	85
4	General Characterization Methods for Photoelectrochemical Cells for Solar Water Splitting. <i>ChemSusChem</i> , 2015 , 8, 3192-203	8.3	51
3	Sol-flame synthesis of cobalt-doped TiO ₂ nanowires with enhanced electrocatalytic activity for oxygen evolution reaction. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 12299-306	3.6	36
2	Morphology-controlled flame synthesis of single, branched, and flower-like β -MoO ₃ nanobelt arrays. <i>Nano Letters</i> , 2011 , 11, 872-7	11.5	139
1	Switchable Surface Coating for Bifunctional Passive Radiative Cooling and Solar Heating. <i>Advanced Functional Materials</i> , 2203582	15.6	5