

## List of Publications by Citations

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**Version:** 2024-04-28

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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	Activating and optimizing MoS <sub>2</sub> basal planes for hydrogen evolution through the formation of strained sulphur vacancies. <i>Nature Materials</i> , <b>2016</b> , 15, 48-53	27	1563
21	A dual-mode textile for human body radiative heating and cooling. <i>Science Advances</i> , <b>2017</b> , 3, e1700895	14.3	222
20	Nanoporous polyethylene microfibrils for large-scale radiative cooling fabric. <i>Nature Sustainability</i> , <b>2018</b> , 1, 105-112	22.1	206
19	Spectrally Selective Nanocomposite Textile for Outdoor Personal Cooling. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802152	24	181
18	Warming up human body by nanoporous metallized polyethylene textile. <i>Nature Communications</i> , <b>2017</b> , 8, 496	17.4	162
17	Thermal Management in Nanofiber-Based Face Mask. <i>Nano Letters</i> , <b>2017</b> , 17, 3506-3510	11.5	158
16	Morphology-controlled flame synthesis of single, branched, and flower-like BiMoO <sub>3</sub> nanobelt arrays. <i>Nano Letters</i> , <b>2011</b> , 11, 872-7	11.5	139
15	Synergistic enhancement of electrocatalytic CO reduction to C oxygenates at nitrogen-doped nanodiamonds/Cu interface. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 131-137	28.7	92
14	Temperature Regulation in Colored Infrared-Transparent Polyethylene Textiles. <i>Joule</i> , <b>2019</b> , 3, 1478-1486	17.8	91
13	Highly Efficient Solar Water Splitting from Transferred TiO <sub>2</sub> Nanotube Arrays. <i>Nano Letters</i> , <b>2015</b> , 15, 5709-15	11.5	85
12	Rapid Flame Synthesis of Atomically Thin MoO down to Monolayer Thickness for Effective Hole Doping of WSe. <i>Nano Letters</i> , <b>2017</b> , 17, 3854-3861	11.5	84
11	One-Step Hydrothermal Deposition of Ni:FeOOH onto Photoanodes for Enhanced Water Oxidation. <i>ACS Energy Letters</i> , <b>2016</b> , 1, 624-632	20.1	84
10	High-Performance Ultrathin BiVO <sub>4</sub> Photoanode on Textured Polydimethylsiloxane Substrates for Solar Water Splitting. <i>ACS Energy Letters</i> , <b>2016</b> , 1, 68-75	20.1	55
9	General Characterization Methods for Photoelectrochemical Cells for Solar Water Splitting. <i>ChemSusChem</i> , <b>2015</b> , 8, 3192-203	8.3	51
8	Stabilizing Silicon Photocathodes by Solution-Deposited NiBe Layered Double Hydroxide for Efficient Hydrogen Evolution in Alkaline Media. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 1939-1946	20.1	50
7	Sol-flame synthesis of cobalt-doped TiO <sub>2</sub> nanowires with enhanced electrocatalytic activity for oxygen evolution reaction. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 12299-306	3.6	36
6	Three-Dimensional Printable Nanoporous Polymer Matrix Composites for Daytime Radiative Cooling. <i>Nano Letters</i> , <b>2021</b> , 21, 1493-1499	11.5	34

- 5 Epitaxial growth of WO<sub>3</sub> nanoneedles achieved using a facile flame surface treatment process engineering of hole transport and water oxidation reactivity. *Journal of Materials Chemistry A*, **2018**, 6, 19542-19546 13 16
- 4 Ultrafast Flame Annealing of TiO<sub>2</sub> Paste for Fabricating Dye-Sensitized and Perovskite Solar Cells with Enhanced Efficiency. *Small*, **2017**, 13, 1702260 11 13
- 3 Rapid Synthesis of Thin and Long Mo<sub>17</sub>O<sub>47</sub> Nanowire-Arrays in an Oxygen Deficient Flame. *Scientific Reports*, **2016**, 6, 27832 4-9 9
- 2 Ultrahigh Doping of Graphene Using Flame-Deposited MoO<sub>3</sub>. *IEEE Electron Device Letters*, **2020**, 41, 15924-15957 4-15 5
- 1 Switchable Surface Coating for Bifunctional Passive Radiative Cooling and Solar Heating. *Advanced Functional Materials*, 2203582 15-6 5