

Chang Bao Han

List of Publications by Year in descending order

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16
papers

941
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840776

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17
times ranked

1202
citing authors

#	ARTICLE	IF	CITATIONS
1	Platinum single-atom catalyst coupled with transition metal/metal oxide heterostructure for accelerating alkaline hydrogen evolution reaction. <i>Nature Communications</i> , 2021, 12, 3783.	12.8	355
2	SnO ₂ -based electron transporting layer materials for perovskite solar cells: A review of recent progress. <i>Journal of Energy Chemistry</i> , 2019, 35, 144-167.	12.9	129
3	Seamlessly conductive Co(OH) ₂ tailored atomically dispersed Pt electrocatalyst with a hierarchical nanostructure for an efficient hydrogen evolution reaction. <i>Energy and Environmental Science</i> , 2020, 13, 3082-3092.	30.8	123
4	Mechanism of PbI ₂ in Situ Passivated Perovskite Films for Enhancing the Performance of Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44101-44108.	8.0	100
5	Atomically Dispersed Platinum Modulated by Sulfide as an Efficient Electrocatalyst for Hydrogen Evolution Reaction. <i>Advanced Science</i> , 2021, 8, 2100347.	11.2	47
6	Effect of temperature on the performance of perovskite solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 12784-12792.	2.2	44
7	Highly Stable Transparent Conductive Electrodes Based on Silver-Platinum Alloy-Walled Hollow Nanowires for Optoelectronic Devices. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36128-36135.	8.0	30
8	Influence of Fluorinated Components on Perovskite Solar Cells Performance and Stability. <i>Small</i> , 2021, 17, e2004081.	10.0	29
9	Perovskite random lasers on fiber facet. <i>Nanophotonics</i> , 2020, 9, 935-941.	6.0	24
10	Rapid degradation behavior of encapsulated perovskite solar cells under light, bias voltage or heat fields. <i>Nanoscale Advances</i> , 2021, 3, 6128-6137.	4.6	15
11	Influence of polytetrafluoroethylene (PTFE) on photovoltaic performance and perovskite solar cell stability. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4257-4263.	4.9	13
12	A Setaria-inflorescence-structured catalyst based on nickel-cobalt wrapped silver nanowire conductive networks for highly efficient hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 26566-26573.	10.3	10
13	Flexible perovskite solar cells fabricated by a gradient heat treatment process. <i>Sustainable Energy and Fuels</i> , 2020, 4, 824-831.	4.9	8
14	Minimizing Open-Circuit Voltage Loss in Perovskite/Si Tandem Solar Cells via Exploring the Synergic Effect of Cations and Anions. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100119.	2.4	7
15	Single-Mode Lasing in Plasmonic-Enhanced Woven Microfibers for Multifunctional Sensing. <i>ACS Sensors</i> , 2021, 6, 3416-3423.	7.8	7
16	Electric-field regulated crystallization process for enhanced performance of perovskite solar cells. <i>Sustainable Energy and Fuels</i> , 0, , .	4.9	0