

Yongjie Wang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

752
citations

623574

14
h-index

839398

18
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19
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19
docs citations

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times ranked

1218
citing authors

#	ARTICLE	IF	CITATIONS
1	Removing Stripes, Scratches, and Curtaining with Non-Recoverable Compressed Sensing. <i>Microscopy and Microanalysis</i> , 2019, 25, 174-175.	0.2	2
2	Unassisted solar water splitting with 9.8% efficiency and over 100 h stability based on Si solar cells and photoelectrodes catalyzed by bifunctional Ni ²⁺ /Mo/Ni. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2200-2209.	5.2	63
3	Stable Unassisted Solar Water Splitting on Semiconductor Photocathodes Protected by Multifunctional GaN Nanostructures. <i>ACS Energy Letters</i> , 2019, 4, 1541-1548.	8.8	50
4	Removing Stripes, Scratches, and Curtaining with Nonrecoverable Compressed Sensing. <i>Microscopy and Microanalysis</i> , 2019, 25, 705-710.	0.2	21
5	Dependence of interface energetics and kinetics on catalyst loading in a photoelectrochemical system. <i>Nano Research</i> , 2019, 12, 2378-2384.	5.8	15
6	A quadruple-band metal-nitride nanowire artificial photosynthesis system for high efficiency photocatalytic overall solar water splitting. <i>Materials Horizons</i> , 2019, 6, 1454-1462.	6.4	38
7	An In _{0.42} Ga _{0.58} N tunnel junction nanowire photocathode monolithically integrated on a nonplanar Si wafer. <i>Nano Energy</i> , 2019, 57, 405-413.	8.2	38
8	Solar Water Oxidation by an InGaN Nanowire Photoanode with a Bandgap of 1.7 eV. <i>ACS Energy Letters</i> , 2018, 3, 307-314.	8.8	73
9	Magnetic Field Enhanced Superconductivity in Epitaxial Thin Film WTe ₂ . <i>Scientific Reports</i> , 2018, 8, 6520.	1.6	31
10	Hierarchical InGaN Nanowires for High-Efficiency Solar Water Splitting. <i>Microscopy and Microanalysis</i> , 2018, 24, 1670-1671.	0.2	0
11	Making of an Industry-Friendly Artificial Photosynthesis Device. <i>ACS Energy Letters</i> , 2018, 3, 2230-2231.	8.8	48
12	Wafer-scale synthesis of monolayer WSe ₂ : A multi-functional photocatalyst for efficient overall pure water splitting. <i>Nano Energy</i> , 2018, 51, 54-60.	8.2	45
13	Efficient n+p-Si photocathodes for solar H ₂ production catalyzed by Co-W-S and stabilized by Ti buffer layer. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 158-165.	10.8	32
14	A High Efficiency Si Photoanode Protected by Few-Layer MoSe ₂ . <i>Solar Rrl</i> , 2018, 2, 1800113.	3.1	10
15	A Monolithically Integrated Gallium Nitride Nanowire/Silicon Solar Cell Photocathode for Selective Carbon Dioxide Reduction to Methane. <i>Chemistry - A European Journal</i> , 2016, 22, 8809-8813.	1.7	57
16	Phase engineering of MoS ₂ through GaN/AlN substrate coupling and electron doping. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 33351-33356.	1.3	14
17	Tunable Syngas Production from CO ₂ and H ₂ O in an Aqueous Photoelectrochemical Cell. <i>Angewandte Chemie</i> , 2016, 128, 14474-14478.	1.6	12
18	Tunable Syngas Production from CO ₂ and H ₂ O in an Aqueous Photoelectrochemical Cell. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14262-14266.	7.2	105

#	ARTICLE	IF	CITATIONS
19	High Efficiency Solar-to-Hydrogen Conversion on a Monolithically Integrated InGaN/GaN/Si Adaptive Tunnel Junction Photocathode. Nano Letters, 2015, 15, 2721-2726.	4.5	98