

Yongjie Wang

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

752
citations

623574

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times ranked

1218
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | High Efficiency Solar-to-Hydrogen Conversion on a Monolithically Integrated InGaN/GaN/Si Adaptive Tunnel Junction Photocathode. <i>Nano Letters</i> , 2015, 15, 2721-2726. | 4.5 | 98 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | Making of an Industry-Friendly Artificial Photosynthesis Device. <i>ACS Energy Letters</i> , 2018, 3, 2230-2231. | 8.8 | 48 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | Magnetic Field Enhanced Superconductivity in Epitaxial Thin Film WTe ₂ . <i>Scientific Reports</i> , 2018, 8, 6520. | 1.6 | 31 |
| 13 | Removing Stripes, Scratches, and Curtaining with Nonrecoverable Compressed Sensing. <i>Microscopy and Microanalysis</i> , 2019, 25, 705-710. | 0.2 | 21 |
| 14 | Dependence of interface energetics and kinetics on catalyst loading in a photoelectrochemical system. <i>Nano Research</i> , 2019, 12, 2378-2384. | 5.8 | 15 |
| 15 | 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 |
| 16 | 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 |
| 17 | A High Efficiency Si Photoanode Protected by Few-Layer MoSe ₂ . <i>Solar Rrl</i> , 2018, 2, 1800113. | 3.1 | 10 |
| 18 | Removing Stripes, Scratches, and Curtaining with Non-Recoverable Compressed Sensing. <i>Microscopy and Microanalysis</i> , 2019, 25, 174-175. | 0.2 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Hierarchical InGaN Nanowires for High-Efficiency Solar Water Splitting. Microscopy and Microanalysis, 2018, 24, 1670-1671. | 0.2 | 0 |