

Alireza Kargar

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,447
citations

516215

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794141

19
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21
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docs citations

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times ranked

2778
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | GaP/GaN _P Heterojunctions for Efficient Solar-Driven Water Oxidation. <i>Small</i> , 2017, 13, 1603574. | 5.2 | 11 |
| 2 | High-performance flexible hydrogen sensor made of WS ₂ nanosheet/Pd nanoparticle composite film. <i>Nanotechnology</i> , 2016, 27, 195501. | 1.3 | 78 |
| 3 | Nanowire/nanotube array tandem cells for overall solar neutral water splitting. <i>Nano Energy</i> , 2016, 19, 289-296. | 8.2 | 30 |
| 4 | NiO _x -Fe ₂ O ₃ -coated p-Si photocathodes for enhanced solar water splitting in neutral pH water. <i>Nanoscale</i> , 2015, 7, 4900-4905. | 2.8 | 17 |
| 5 | High-Performance <i>Si/c-Si</i> Heterojunction Photoelectrodes for Photoelectrochemical Oxygen and Hydrogen Evolution. <i>Nano Letters</i> , 2015, 15, 2817-2824. | 4.5 | 89 |
| 6 | Atomic Scale Analysis of the Enhanced Electro- and Photo-Catalytic Activity in High-Index Faceted Porous NiO Nanowires. <i>Scientific Reports</i> , 2015, 5, 8557. | 1.6 | 12 |
| 7 | Solution-Processed CoFe ₂ O ₄ Nanoparticles on 3D Carbon Fiber Papers for Durable Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 17851-17856. | 4.0 | 126 |
| 8 | MoS ₂ Nanosheet/Pd Nanoparticle Composite for Highly Sensitive Room Temperature Detection of Hydrogen. <i>Advanced Science</i> , 2015, 2, 1500004. | 5.6 | 123 |
| 9 | p-Si/SnO ₂ /Fe ₂ O ₃ Core/Shell/Shell Nanowire Photocathodes for Neutral pH Water Splitting. <i>Advanced Functional Materials</i> , 2015, 25, 2609-2615. | 7.8 | 47 |
| 10 | Tandem structured spectrally selective coating layer of copper oxide nanowires combined with cobalt oxide nanoparticles. <i>Nano Energy</i> , 2015, 11, 247-259. | 8.2 | 30 |
| 11 | In-situ TEM Observation of Electrochemical Cycling of a Si/TiO ₂ Composite NW. <i>Microscopy and Microanalysis</i> , 2014, 20, 454-455. | 0.2 | 0 |
| 12 | Plasmonic tuning of aluminum doped zinc oxide nanostructures by atomic layer deposition. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014, 8, 948-952. | 1.2 | 25 |
| 13 | Solution-grown 3D Cu ₂ O networks for efficient solar water splitting. <i>Nanotechnology</i> , 2014, 25, 205401. | 1.3 | 48 |
| 14 | ZnO/CuO Heterojunction Branched Nanowires for Photoelectrochemical Hydrogen Generation. <i>ACS Nano</i> , 2013, 7, 11112-11120. | 7.3 | 275 |
| 15 | 3D Branched Nanowire Photoelectrochemical Electrodes for Efficient Solar Water Splitting. <i>ACS Nano</i> , 2013, 7, 9407-9415. | 7.3 | 132 |
| 16 | Three-dimensional ZnO/Si broom-like nanowire heterostructures as photoelectrochemical anodes for solar energy conversion. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 2561-2568. | 0.8 | 9 |
| 17 | Tailoring n-ZnO/p-Si Branched Nanowire Heterostructures for Selective Photoelectrochemical Water Oxidation or Reduction. <i>Nano Letters</i> , 2013, 13, 3017-3022. | 4.5 | 141 |
| 18 | 3D branched nanowire heterojunction photoelectrodes for high-efficiency solar water splitting and H ₂ generation. <i>Nanoscale</i> , 2012, 4, 1515. | 2.8 | 167 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Design and optimization of waveguide sensitivity in slot microring sensors. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2011, 28, 596. | 0.8 | 42 |
| 20 | Compound Semiconductor Nanowire Solar Cells. IEEE Journal of Selected Topics in Quantum Electronics, 2011, 17, 1033-1049. | 1.9 | 45 |
| 21 | 3D Branched Nanowire Photoelectrodes for High Efficiency Solar Water Splitting and Hydrogen Production. Additional Conferences (Device Packaging HiTEC HiTEN & CICMT), 2011, 2011, 000084-000090. | 0.2 | 0 |